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OM nucleic - nucleic search, using sw model

Run on: October 30, 2003, 11:59:00 : Search time 58 Seconds  
(without alignments)  
3622.386 Million cell updates/sec

Title: US-09-806-302a-1

Perfect score: 476  
Sequence: 1 acgagctgcacacgact.....ccatcatcattca 476

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

- 1: /cgnt\_6/prodata/1/ina/5A\_COMB.seq:\*
- 2: /cgnt\_6/prodata/1/ina/5B\_COMB.seq:\*
- 3: /cgnt\_6/prodata/1/ina/6A\_COMB.seq:\*
- 4: /cgnt\_6/prodata/1/ina/6B\_COMB.seq:\*
- 5: /cgnt\_6/prodata/1/ina/6C\_COMB.seq:\*
- 6: /cgnt\_6/prodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	476	100.0	476	3	US-08-821-451A-5
2	476	100.0	476	3	US-09-263-810-5
3	476	100.0	476	4	US-09-583-169-5
4	223.8	47.0	495	1	US-08-969-987-5
5	223.8	47.0	503	1	US-08-455-896-1
6	223.8	47.0	503	2	US-08-933-149-1
7	223.8	47.0	503	2	US-09-082-343-1
8	223.8	47.0	503	3	US-09-082-253-1
9	223.8	47.0	503	4	US-09-162-622-1
10	223.8	47.0	503	5	PCT-US96-08235-1
11	223.8	47.0	535	4	US-09-215-818-1
12	223.8	47.0	535	4	US-09-467-602A-1
13	201.2	42.3	403	1	US-08-455-896-5
14	201.2	42.3	403	2	US-08-933-149-5
15	201.2	42.3	403	2	US-09-082-343-5
16	201.2	42.3	403	3	US-09-082-253-5
17	201.2	42.3	403	4	US-09-162-622-5
18	201.2	42.3	403	5	PCT-US96-08235-5
19	153.4	32.2	279	4	US-09-162-622-15
20	153.4	32.2	1233	4	US-09-620-405B-492
21	153.4	32.2	2282	4	US-09-620-405B-491
22	153.4	32.2	3288	4	US-09-620-405B-490
23	140.2	29.5	356	4	US-09-389-681-217
24	140.2	29.5	356	4	US-09-620-405B-217
25	140.2	29.5	356	4	US-09-339-338-217
26	140.2	29.5	356	4	US-09-433-826B-217
27	140.2	29.5	356	4	US-09-604-287A-217

28	122.4	25.7	511	4	US-09-389-681-182	Sequence 182, App
29	122.4	25.7	511	4	US-09-620-405B-182	Sequence 182, App
30	122.4	25.7	511	4	US-09-339-338-182	Sequence 182, App
31	122.4	25.7	511	4	US-09-433-826B-182	Sequence 182, App
32	122.4	25.7	511	4	US-09-604-287A-182	Sequence 182, App
33	57.2	12.0	206	1	US-08-455-896-6	Sequence 6, App1
34	57.2	12.0	206	2	US-08-933-149-6	Sequence 6, App1
35	57.2	12.0	206	2	US-09-082-343-6	Sequence 6, App1
36	57.2	12.0	206	3	US-09-082-253-6	Sequence 6, App1
37	57.2	12.0	206	4	US-09-162-622-6	Sequence 6, App1
38	57.2	12.0	206	5	PCT-US96-08235-6	Sequence 6, App1
39	33	6.9	2685	3	US-09-061-768A-1	Sequence 1, App1
40	32.6	6.8	35524	3	US-08-923-137-1	Sequence 1, App1
41	31.4	6.6	1528	2	US-08-459-586-12	Sequence 12, App1
42	31.4	6.6	1528	2	US-08-282-696-12	Sequence 12, App1
43	31.4	6.6	2047	3	US-08-836-261A-1	Sequence 1, App1
44	31.4	6.6	2489	1	US-08-459-586-1	Sequence 1, App1
45	31.4	6.6	2489	2	US-08-282-696-1	Sequence 1, App1

# ALIGNMENTS

```

RESULT 1
US-08-821-451A-5
; Sequence 5, Application US/08821451A
; Patent No. 5066724
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESS: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821, 451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 476 BASE PAIRS
; TYPE: NUCLEIC ACID
; STRANDEDNESS: SINGLE
; TOPOLOGY: LINEAR
; MOLECULE TYPE: CDNA
; US-08-821-451A-5

Query Match      100.0%   Score 476;   DB 3;   Length 476;
Best Local Similarity 100.0%   Pred. No. 1.3e-141;
Matches 476;   Conservative 0;   Mismatches 0;   Gaps 0;
OY      1 ACGAGCTGCACGACGACTGAACAGACAGCAGCCGCTGCCTGATGAGCTGATG 60

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Db 1 ACAGAGCTCCAGCGACGACTGAAACAGACAGACGCGCCCTCGCATGAAGCTGTGATG 60
Qy 61 GTCCCTCATGCTGGCGGCGCTCTCTCTGACATGCTATGACAGATTCTGGCTGCAGAACTCTG 120
Db 61 GTCCCTCATGCTGGCGGCGCTCTCTCTGACATGCTATGACAGATTCTGGCTGCAGAACTCTG 120
Qy 121 GAGGACATGCTTGAAGAACCATCAATTCCGACATATCTATACCTGAATACAGAGCTT 180
Db 121 GAGGACATGCTTGAAGAACCATCAATTCCGACATATCTATACCTGAATACAGAGCTT 180
Qy 181 CTTCAGAGTTCATAGACAGTATGCGCTGACAGAGCTATGGGAAATTCAGAGCTG 240
Db 181 CTTCAGAGTTCATAGACAGTATGCGCTGACAGAGCTATGGGAAATTCAGAGCTG 240
Qy 241 TTCTCAACCAAGTACATAGAACTGTGAAAACTTTGACATGATGATCATACAGTGTAC 300
Db 241 TTCTCAACCAAGTACATAGAACTGTGAAAACTTTGACATGATGATCATACAGTGTAC 300
Qy 301 GACAGCATTTGGTGTATATGAAAGTAATTACTTACCCAGAGCGTTTGGCTCAGAG 360
Db 301 GACAGCATTTGGTGTATATGAAAGTAATTACTTACCCAGAGCGTTTGGCTCAGAG 360
Qy 361 GCTACAGACTATGGCCAGAACTCATCTGTGATTGCTAGAAACCACTTTCTTCTGTGTT 420
Db 361 GCTACAGACTATGGCCAGAACTCATCTGTGATTGCTAGAAACCACTTTCTTCTGTGTT 420
Qy 421 GCTTTTATGTGGGAAGCTGTAGAACACTGTGAAACCTCAATTGATTCATTCA 476
Db 421 GCTTTTATGTGGGAAGCTGTAGAACACTGTGAAACCTCAATTGATTCATTCA 476

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RESULT 2

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US-09-263-810-5
Sequence 5, Application US/09263810
Patent No. 6174992
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263, 810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
TELEPHONE/DOCKET NUMBER: 325800-521 (PF257)
TELEPHONE: 201-994-1700
TELEPHONE: 201-994-1744
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 BASE PAIRS
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE

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5/8/99

TOPOLOGY: LINEAR  
MOLECULE TYPE: CDNA  
US-09-263-810-5

Query Match 100.0%; Score 476; DB 3; Length 476;  
Best Local Similarity 100.0%; Pred. No. 1,3e-141;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ACAGAGCTCCAGCGACGACTGAAACAGACAGACGCGCCCTCGCATGAAGCTGTGATG 60
Db 1 ACAGAGCTCCAGCGACGACTGAAACAGACAGACGCGCCCTCGCATGAAGCTGTGATG 60
Qy 61 GTCCCTCATGCTGGCGGCGCTCTCTCTGACATGCTATGACAGATTCTGGCTGCAGAACTCTG 120
Db 61 GTCCCTCATGCTGGCGGCGCTCTCTCTGACATGCTATGACAGATTCTGGCTGCAGAACTCTG 120
Qy 121 GAGGACATGCTTGAAGAACCATCAATTCCGACATATCTATACCTGAATACAGAGCTT 180
Db 121 GAGGACATGCTTGAAGAACCATCAATTCCGACATATCTATACCTGAATACAGAGCTT 180
Qy 181 CTTCAGAGTTCATAGACAGTATGCGCTGACAGAGCTATGGGAAATTCAGAGCTG 240
Db 181 CTTCAGAGTTCATAGACAGTATGCGCTGACAGAGCTATGGGAAATTCAGAGCTG 240
Qy 241 TTCTCAACCAAGTACATAGAACTGTGAAAACTTTGACATGATGATCATACAGTGTAC 300
Db 241 TTCTCAACCAAGTACATAGAACTGTGAAAACTTTGACATGATGATCATACAGTGTAC 300
Qy 301 GACAGCATTTGGTGTATATGAAAGTAATTACTTACCCAGAGCGTTTGGCTCAGAG 360
Db 301 GACAGCATTTGGTGTATATGAAAGTAATTACTTACCCAGAGCGTTTGGCTCAGAG 360
Qy 361 GCTACAGACTATGGCCAGAACTCATCTGTGATTGCTAGAAACCACTTTCTTCTGTGTT 420
Db 361 GCTACAGACTATGGCCAGAACTCATCTGTGATTGCTAGAAACCACTTTCTTCTGTGTT 420
Qy 421 GCTTTTATGTGGGAAGCTGTAGAACACTGTGAAACCTCAATTGATTCATTCA 476
Db 421 GCTTTTATGTGGGAAGCTGTAGAACACTGTGAAACCTCAATTGATTCATTCA 476

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RESULT 3

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US-09-583-169-5
Sequence 5, Application US/09583169
Patent No. 6338948
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/583,169
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073

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5/30/00

```

REFERENCE/DOCKET NUMBER: 335800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 476 BASE PAIRS
TYPE: NUCLEIC ACID
STRADEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: CDNA
US-09-583-169-5

Query Match      100.0%; Score 476; DB 4; Length 476;
Best Local Similarity 100.0%; Pred. No. 1,36-141;
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1  ACGAGCTCCACGACGACGTGAACACAGACAGCAGCCGCTGGCATGAGAGTGCTATG 60
Db  1  ACGAGCTCCACGACGACGTGAACACAGACAGCAGCAGCCGCTGGCATGAGAGTGCTATG 60

QY  61  GTCCTCATGCTGGCGGCGCCCTCCTCTCGACATGCTATGAGATTTCTGGGTGCAACTCTG 120
Db  61  GTCCTCATGCTGGCGGCGCCCTCCTCTCGACATGCTATGAGATTTCTGGGTGCAACTCTG 120

QY  121  GAGCAGATGCTTGAAGAAAGCCATCAATTCGACATATCTATTCCTGAATACAAAGAGCTT 180
Db  121  GAGCAGATGCTTGAAGAAAGCCATCAATTCGACATATCTATTCCTGAATACAAAGAGCTT 180

QY  181  CTTCAAGAGTTTCATATGACAGATGATCGCGCTGACAGAGGCTATGGGGAAATTCAAGACAGTG 240
Db  181  CTTCAAGAGTTTCATATGACAGATGATCGCGCTGACAGAGGCTATGGGGAAATTCAAGACAGTG 240

QY  241  TTCCTCAACACGACGACATAGAACTCTGAAAACTTTGACATGATGATCATACAGTATAC 300
Db  241  TTCCTCAACACGACGACATAGAACTCTGAAAACTTTGACATGATGATCATACAGTATAC 300

QY  301  GACAGCATTGGTGTATATATGAGAGATTAATTACTTTAACCCAGGCGTTTGGCTCAGAGG 360
Db  301  GACAGCATTGGTGTATATATGAGAGATTAATTACTTTAACCCAGGCGTTTGGCTCAGAGG 360

QY  361  GCTCAGAGCTATGGCCAGAACTCAATCTGTGATTTGCTGAAAAACACTTCTCTCTGTGTT 420
Db  361  GCTCAGAGCTATGGCCAGAACTCAATCTGTGATTTGCTGAAAAACACTTCTCTCTGTGTT 420

QY  421  GCTTTTATGTGGGAAGCTCTAGACAAGTGTGAAGACCTCAATTATTCATTCAATTGA 476
Db  421  GCTTTTATGTGGGAAGCTCTAGACAAGTGTGTGAGTGTGAAGACCACTTCTCTCTGTGTT 476

RESULT 4
US-08-969-987-5
Sequence 5, Application US/08969987A
Patent No. 6303297
GENERAL INFORMATION:
APPLICANT: Lincoln, Steve
APPLICANT: Klinger, Tod M.
APPLICANT: Au-Young, Janice
APPLICANT: Tang, Y. Tom
APPLICANT: Gould, Richard
APPLICANT: Akeblom, Ingrid E.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Lynn E.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Levine, Wendy B.
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goll, Surya K.
APPLICANT: Altus, Christina M.
APPLICANT: Bandman, Olga
APPLICANT: Labrie, Samuel T.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: Database for Storage and Analysis of

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TITLE OF INVENTION: Full Length Sequences
FILE REFERENCE: 6514-069001
CURRENT APPLICATION NUMBER: US/08/969, 987A
CURRENT FILING DATE: 1997-11-13
EARLIER APPLICATION NUMBER: 08/282, 955
EARLIER FILING DATE: 1995-07-29
EARLIER APPLICATION NUMBER: 08/187, 530
EARLIER FILING DATE: 1994-01-27
EARLIER APPLICATION NUMBER: 08/179, 873
EARLIER FILING DATE: 1994-01-11
EARLIER APPLICATION NUMBER: 08/100, 523
EARLIER FILING DATE: 1993-08-03
EARLIER APPLICATION NUMBER: 07/977, 780
EARLIER FILING DATE: 1992-11-19
EARLIER APPLICATION NUMBER: 07/916, 491
EARLIER FILING DATE: 1992-07-17
EARLIER APPLICATION NUMBER: 08/289, 822
EARLIER FILING DATE: 1994-08-12
EARLIER APPLICATION NUMBER: 08/581, 240
EARLIER FILING DATE: 1995-12-29
EARLIER APPLICATION NUMBER: 08/657, 697
EARLIER FILING DATE: 1996-05-29
EARLIER APPLICATION NUMBER: 08/747, 547
EARLIER FILING DATE: 1996-11-12
EARLIER APPLICATION NUMBER: 08/712, 710
EARLIER FILING DATE: 1996-09-12
EARLIER APPLICATION NUMBER: 08/744, 026
EARLIER FILING DATE: 1996-11-05
EARLIER APPLICATION NUMBER: 08/786, 999
EARLIER FILING DATE: 1997-01-23
EARLIER APPLICATION NUMBER: 08/822, 262
EARLIER FILING DATE: 1997-03-20
EARLIER APPLICATION NUMBER: 08/951, 750
EARLIER FILING DATE: 1997-10-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 5
LENGTH: 495
TYPE: DNA
ORGANISM: Homo sapiens
US-08-969-987-5

Query Match      47.0%; Score 223.8; DB 4; Length 495;
Best Local Similarity 71.4%; Pred. No. 1.9e-61;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2.

QY      7   TGCACCCAGACGCTGAAACACGACAGAGAGCCGCCCTCCGACGAAAGCTGATGCTCTC 66
Db      7   TGCACCCCGACGCTGAAACACGACAGAGAGCCGCCCTCCGACGAAAGCTGATGCTCTC 66
QY      67   ATGCTGCGCGCCCTCTCTCTGTCGACCTGCTATGACGATTCGTGCTGCAAACTCTGGAGGAC 126
Db      67   ATGCTGCGCGCCCTCTCTCTGTCGACCTGCTATGACGATTCGTGCTGCTGCTGCTTATGGAGAA 126
QY      127  ATGCTGAAAAAGACCATCAATTCGACATATCTATACCTGAAATCAAAAGACTTCTTCAA 186
Db      127  GTGATTTCCAAAGACATCAATTCACCAAGTGTCTAAAGTGAATCAAAAGACTTCTTCAA 186
QY      187  GAGTTTCATAGACAGTATGCCGCTGCGACAGGCTATGGGAAATTCAGAGAGTTTCTCTC 246
Db      187  GAGTTTCATAGACGCAATATGCCATCAAAATGCCATAGATGAATGAAGAAATGTTTCTT 246
QY      247  AACAGTCACATAGACTGTAAGAACTTTGAGCTGATGATGATCAATACAGTATACGACAGC 306
Db      247  AACCAAAACGATGAATCTTGAGCAATGTTGAGTGTTTATGCAATTAATATATGACAGC 306
QY      307  ATTTGGTATATATGAAGAAGTAATTAATCCCAAGGCGTTTGGCTCAGAGGCTTACA 366
Db      307  AGTCTTTGTGATTT-----ATTTAACCTTTCTGCAAGACCTTTGGCTCACAGAACTGCA 360
QY      367  GACTATGGCCAGAACTATCTGTGATGATTTGCTAGAAAC--CACTTTCTCTTGTGTGCTT 424
Db      361  GGGATGATGTGGAACCAACTTACGAGATGCTGCAAAACCAACCTTCTCTTCTTATATGCT 420

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Query Match -	47.0%;	Score 223.8;	DB 2;	Length 503;
Best Local Similarity	71.4%;	Pred. No. 1.9e-61;		
Matches 325; Conservative	0;	Mismatches 122;	Indels 8;	Gaps 2

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 503 base pairs

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 503 base pairs
; TYPE: nucleic acid

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Db 103 ATGTCGCGCCCTCTCCAGCACTGCTACGAGGCTCTGGCTGCCCTTATTTGGAGAT 162  
Qy 127 ATGTTGAAAAGACATCAATTCGACATATCTATACCTGTAATACAAAGAGCTTCTTCA 186  
Db 163 GTGATTTCCAAAGACATCAATTCACAGAGTGTCTTAAGACTAATACAAAGAGCTTCTTCA 222  
Qy 187 GAGTTCATAGACAGTATGAGTCCGCTGACAGAGCTATGGGAAAATTCAGCAGTGTTCCTC 246  
Db 223 GAGTTCATAGACAGATGCGCACTCAATATGCAATGATGAAATTAAGAAATGTTTCTT 282  
Qy 247 AACCGTCACATAGACATCTGAAAAAATTGGACTGATGATGACATACAGTACAGACGC 306  
Db 283 AACCAAGGATGAAATCTGTGCAATGTGGGTTTATGCAATTAATATGACAGC 342  
Qy 307 ATTTGGTAAATATGAAAGTAAATTAACCTTACCCAGGCGTTGGCTCAGAGGCTACA 366  
Db 343 AGCTTTGTGATTT-----ATTTAACTTTCTGCAAGACCTTTGGCTCAGAACTGCA 396  
Qy 367 GACTATGCCAGAACCTCATCTGTGATTGCTAGAAAC--CACTTCTTCTTGTGTTGCTT 424  
Db 397 GGGTATGGTGAAGAACAGCTACGATTTGGCTGCAAAACACACACTTCTTCTTATGCT 456  
Qy 425 TTTATGTGGAACCTGCTAGACACACTGTTGAAACCT 459  
Db 457 TTTACTCAAACTACAAAGACATTTGTAACCT 491

## RESULT 13

US-08-455-896-5  
; Sequence 5, Application US/08455896  
; Patent No. 5668267

## GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
NUMBER OF SEQUENCES: 13  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,896  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 95726  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 403 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
US-08-455-896-5

Query Match 42.3%; Score 201.2; DB 1; Length 403;  
Best Local Similarity 71.9%; Pred. No. 2.6e-54;

Matches 279; Conservative 0; Mismatches 103; Indels 6; Gaps 1;  
Qy 7 TGGCACCAGACATGAGACAGACAGAGCGGCTGGCATGAGAGCTGATGCTCTC 66  
Db 22 TGGCACCAGGACATGAGACAGACAGAGCGGCTGGCATGAGAGCTGATGCTCTC 81  
Qy 67 ATGTGGCGGCGCTCTCTGCTGCACTGCTATGACAGATTCTGGCTGCAAACTCTGAGAGAC 126  
Db 82 ATGTGGCGGCGCTCTCTGCACTGCTATGACAGAGCTCTGGCTGCAAACTCTGAGAGAT 141  
Qy 127 ATGTTGAAAAGACATCAATTCGACATATCTTACTGTAATACAAAGAGCTTCTTCA 186  
Db 142 GTGATTTCCAAAGACATCAATTCGACATATCTTACTGTAATACAAAGAGCTTCTTCA 201  
Qy 187 GAGTTCATAGACAGTATGAGTCCGCTGACAGAGCTATGGGAAAATTCAGCAGTGTTCCTC 246  
Db 202 GAGTTCATAGACAGATGCGCACTCACTACAAATGCTAATGATGAAATGTTTCTT 261  
Qy 247 AACCGTCACATAGACATCTGAAAAAATTGGACTGATGATGACATACAGTGTACAGAGC 306  
Db 262 AACCAAGGATGAAATCTGTGCAATGTGGGTTTATGCAATTAATATGACAGC 321  
Qy 307 ATTTGGTAAATATGAAAGTAAATTAACCTTACCCAGGCGTTGGCTCAGAGGCTACA 366  
Db 322 AGCTTTGTGATTT-----ATTTAACTTTCTGCAAGACCTTTGGCTCAGAACTGCA 375  
Qy 367 GACTATGCCAGAACCTCATCTGTGATT 394  
Db 376 GGGTATGGTGAAGAACCAACTACGATTT 403

## RESULT 14

US-08-933-149-5  
; Sequence 5, Application US/08933149  
; Patent No. 582836

## GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED  
NUMBER OF SEQUENCES: 14  
TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/933,149  
FILING DATE:  
CLASSIFICATION: 424  
ATTORNEY/AGENT INFORMATION:  
NAME: HENDERSON, MELDIE W.  
REGISTRATION NUMBER: 37,848  
REFERENCE/DOCKET NUMBER: 6029-6040  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 403 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA to mRNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO





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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: October 30, 2003, 13:09:26 ; Search time 215 Seconds  
(without alignments)  
6021.494 Million cell updates/sec

Title: US-09-806-302a-1

Perfect score: 476

Sequence: 1 acgagcgcacacgacgact.....cctcatcattcattca 476

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 1811591 seqs, 1359896290 residues

Total number of hits satisfying chosen parameters: 3623182

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
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7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
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9: /cgn2\_6/ptodata/2/pubpna/US09A\_PUBCOMB.seq:\*  
10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*  
12: /cgn2\_6/ptodata/2/pubpna/US09C\_NEW\_PUB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US10A\_PUBCOMB.seq:\*  
14: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
16: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
17: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	476	100.0	476	US-09-985-911-5	Sequence 5, Appl1
2	434.2	93.2	497	US-09-110-716-30	Sequence 30, Appl1
3	431.6	90.7	517	US-10-119-431-26	Sequence 26, Appl1
4	431.6	90.7	517	US-10-097-340-186	Sequence 186, Appl1
5	431.6	90.7	517	US-10-177-293-279	Sequence 279, Appl1
6	431.6	90.7	733	US-10-198-846-10282	Sequence 10282, A
7	407.4	85.6	491	US-09-967-768A-62	Sequence 62, Appl1
8	295.2	62.0	522	US-09-814-353-2203	Sequence 2203, Ap
9	295.2	62.0	636	US-09-814-353-8543	Sequence 8543, Ap
10	295.2	62.0	636	US-09-814-353-14927	Sequence 14927, A
11	293.4	61.6	407	US-10-198-846-8737	Sequence 8737, A
12	291.8	61.3	499	US-10-198-846-129	Sequence 129, Ap
13	280	58.8	368	US-09-867-701-6508	Sequence 6508, Ap
14	223.8	47.0	495	US-09-956-999-5	Sequence 5, Appl1
15	223.8	47.0	495	US-09-934-054-4	Sequence 4, Appl1
16	223.8	47.0	503	US-09-110-716-33	Sequence 33, Appl1

17	223.8	47.0	503	10	US-09-934-054-11	Sequence 11, Appl1
18	223.8	47.0	503	11	US-09-905-673-27	Sequence 27, Appl1
19	223.8	47.0	503	12	US-10-096-319-27	Sequence 27, Appl1
20	223.8	47.0	503	12	US-10-393-590-3	Sequence 3, Appl1
21	223.8	47.0	503	12	US-10-393-567-3	Sequence 3, Appl1
22	223.8	47.0	503	12	US-10-394-087-3	Sequence 3, Appl1
23	223.8	47.0	503	14	US-10-042-945-69	Sequence 69, Appl1
24	223.8	47.0	503	14	US-10-157-031-55	Sequence 55, Appl1
25	223.8	47.0	503	14	US-10-177-293-277	Sequence 277, Ap
26	223.8	47.0	535	11	US-09-975-502A-1	Sequence 1, Appl1
27	223.8	47.0	700	14	US-10-198-846-10860	Sequence 10860, A
28	223.8	47.0	751	14	US-10-198-846-8492	Sequence 8492, Ap
29	223.8	47.0	878	14	US-10-198-846-10961	Sequence 10961, A
30	222.2	46.7	503	9	US-09-825-301-73	Sequence 73, Appl1
31	222.2	46.7	503	12	US-10-033-827-73	Sequence 73, Appl1
32	217	45.6	871	14	US-10-198-846-1659	Sequence 1659, Ap
33	211.6	44.5	429	11	US-09-905-673-49	Sequence 49, Appl1
34	211.6	44.5	429	12	US-10-096-319-49	Sequence 49, Appl1
35	210	44.1	429	11	US-09-905-673-46	Sequence 46, Appl1
36	210	44.1	429	12	US-10-096-319-46	Sequence 46, Appl1
37	208.4	43.8	429	11	US-09-905-673-43	Sequence 43, Appl1
38	208.4	43.8	429	11	US-09-905-673-44	Sequence 44, Appl1
39	208.4	43.8	429	11	US-09-905-673-45	Sequence 45, Appl1
40	208.4	43.8	429	11	US-09-905-673-48	Sequence 48, Appl1
41	208.4	43.8	429	12	US-10-096-319-43	Sequence 43, Appl1
42	208.4	43.8	429	12	US-10-096-319-44	Sequence 44, Appl1
43	208.4	43.8	429	12	US-10-096-319-45	Sequence 45, Appl1
44	208.4	43.8	429	12	US-10-096-319-48	Sequence 48, Appl1
45	205.6	43.2	388	11	US-09-905-673-20	Sequence 20, Appl1

#### ALIGNMENTS

RESULT 1  
US-09-985-911-5  
; Sequence 5, Application US/09985911  
; Patent No. US20020151012A1  
; GENERAL INFORMATION:  
; APPLICANT: NI ET AL.  
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
; FILE REFERENCE: PEP2573  
; CURRENT APPLICATION NUMBER: US/09/985,911  
; PRIOR APPLICATION NUMBER: 09/583,169  
; PRIOR FILING DATE: 2000-05-30  
; PRIOR APPLICATION NUMBER: 09/263,810  
; PRIOR FILING DATE: 1999-03-08  
; PRIOR APPLICATION NUMBER: 08/821,451  
; PRIOR FILING DATE: 1997-03-21  
; PRIOR APPLICATION NUMBER: 60/014,724  
; PRIOR FILING DATE: 1996-03-21  
; NUMBER OF SEQ ID NOS: 27  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 476  
; TYPE: DNA  
; ORGANISM: human  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (46)..(330)  
; OTHER INFORMATION:  
; NAME/KEY: sig\_peptide  
; LOCATION: (46)..(108)  
; OTHER INFORMATION:  
; NAME/KEY: mat\_peptide  
; LOCATION: (109)..(330)  
; OTHER INFORMATION:  
US-09-985-911-5  
Query Match 100.0%; Score 476; DB 10; Length 476;  
Best Local Similarity 100.0%; Pred. No. 7e-149;  
Matches 476; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGCTGCGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATG 60  
DB 1 ACAGCTGCGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATG 60  
QY 61 GTCTCATGCTGCGGCGCTCTCTCTGCACTGCTATGAGATTCTGCGTGGAACTCTCTG 120  
DB 61 GTCTCATGCTGCGGCGCTCTCTCTGCACTGCTATGAGATTCTGCGTGGAACTCTCTG 120  
QY 121 GAGACATGCTTGAAGAAACCATCATCTCCGACATATCTTAACTGAAATACAAAGAGCTT 180  
DB 121 GAGACATGCTTGAAGAAACCATCATCTCCGACATATCTTAACTGAAATACAAAGAGCTT 180  
QY 181 CTTCAAGATTCATGACAGTATGCGCTGACAGAGGCTATGCGGAAATTCAGAGAGTGT 240  
DB 181 CTTCAAGATTCATGACAGTATGCGCTGACAGAGGCTATGCGGAAATTCAGAGAGTGT 240  
QY 241 TTCTCTCAACCACTGACATAGAACTCTGAAAACTTTGAGCTGATGATGACATGATGAC 300  
DB 241 TTCTCTCAACCACTGACATAGAACTCTGAAAACTTTGAGCTGATGATGACATGATGAC 300  
QY 301 GACAGCATTTGGTGTATATGAAAGTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 360  
DB 301 GACAGCATTTGGTGTATATGAAAGTAACTTAACTTAACTTAACTTAACTTAACTTAACTT 360  
QY 361 GCTACAGACTATGCGCAGAACTCATCTGATGCTGAGAAACCACTTTCTTCTGTTGTT 420  
DB 361 GCTACAGACTATGCGCAGAACTCATCTGATGCTGAGAAACCACTTTCTTCTGTTGTT 420  
QY 421 GCTTTTATGTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCATTCATTC 476  
DB 421 GCTTTTATGTGGAACTGCTAGACAACTGTTGAAACCTCAATTCATTCATTCATTCATTC 476

## RESULT 2

US-09-110-716-30  
; Sequence 30, Application US/09110716A  
; Patent No. US20020034739A1  
; GENERAL INFORMATION:  
; APPLICANT: Lehner, Robert I.  
; APPLICANT: Zhao, Chengquan  
; APPLICANT: Giasgow, Benjamin J.  
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
; FILE REFERENCE: 22000-20596.00  
; CURRENT APPLICATION NUMBER: US/09/110,716A  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 30  
; LENGTH: 497  
; TYPE: DNA  
; ORGANISM: Hapophilin C  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (41)..(325)  
US-09-110-716-30

Query Match 91.2%; Score 434.2; DB 9; Length 497;  
Best Local Similarity 97.8%; Pred. No. 7.6e-135;  
Matches 451; Conservative 0; Mismatches 8; Indels 2; Gaps 1;

QY 6 CTGCCACGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATGCTCT 65  
DB 1 CTGCCACGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATGCTCT 60  
QY 66 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 125  
DB 61 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 120  
QY 126 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 185  
DB 121 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 180

QY 186 AGAGTTCATAGACAGTATGATCCGCTGACAGAGCTATGCGGAAATTCAGACAGTGTTCCT 245  
DB 181 AGAGTTCATAGACAGTATGATCCGCTGACAGAGCTATGCGGAAATTCAGACAGTGTTCCT 240  
QY 246 CAACAGCTACATAGAACTCTGAAAACTTTGAGCTGATGATGATGATGATGATGATGATG 305  
DB 241 CAACAGCTACATAGAACTCTGAAAACTTTGAGCTGATGATGATGATGATGATGATGATG 300  
QY 306 CATTTGGTGAATATGAGAGTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 365  
DB 301 CATTTGGTGAATATGAGAGTAAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 360  
QY 366 AGACTATGCGCAGAACTCATCTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 423  
DB 361 AGACTATGCGCAGAACTCATCTGCTGATGCTGATGCTGATGCTGATGCTGATGCTGATG 420  
QY 424 TTTTATGTGGAACTGCTAGACAACTGTTGAAACCTCAATT 464  
DB 421 TTTTATGTGGAACTGCTAGACAACTGTTGAAACCTCAATT 461

## RESULT 3

US-10-119-431-26  
; Sequence 26, Application US/10119431  
; Publication No. US20030152939A1  
; GENERAL INFORMATION:  
; APPLICANT: Smithson, Glenda  
; APPLICANT: Zethusen, Bryan  
; APPLICANT: Zhong, Wei  
; APPLICANT: Khramtsov, Nikolai  
; APPLICANT: Li, Li  
; APPLICANT: Gusev, Vladimir  
; APPLICANT: Padigar, Muralidhara  
; APPLICANT: Anderson, David  
; APPLICANT: Shinkels, Richard A.  
; TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYPEPTIDES ENCODING  
; FILE REFERENCE: CURA-29 CIP1  
; CURRENT APPLICATION NUMBER: US/10/119,431  
; PRIOR FILING DATE: 2002-11-15  
; PRIOR APPLICATION NUMBER: 60/103,195  
; PRIOR FILING DATE: 1998-10-06  
; PRIOR APPLICATION NUMBER: 60/282,548  
; PRIOR FILING DATE: 2001-04-09  
; PRIOR APPLICATION NUMBER: 09/412,231  
; NUMBER OF SEQ ID NOS: 46  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 26  
; LENGTH: 517  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-119-431-26

Query Match 90.7%; Score 431.6; DB 12; Length 517;  
Best Local Similarity 97.4%; Pred. No. 5.8e-134;  
Matches 450; Conservative 0; Mismatches 9; Indels 3; Gaps 1;

QY 6 CTGCCACGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATGCTCT 65  
DB 25 CTGCCACGACGACGACTGAAACAGACAGACGACGCGCTGCGCATGAGCTGTGATGCTCT 84  
QY 66 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 125  
DB 85 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 144  
QY 126 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 185  
DB 145 CATGCTGGGCGGCTCTCTCTCTGCACTGCTATGCAAGATTCTGCGTGGAACTCTCTG 204  
QY 186 AGAGTTCATAGACAGTATGATCCGCTGACAGAGCTATGCGGAAATTCAGACAGTGTTCCT 245  
DB 205 AGAGTTCATAGACAGTATGATCCGCTGACAGAGCTATGCGGAAATTCAGACAGTGTTCCT 264

OY		66	AATGCTGGAGGCCCTCCTCCCTGCACGTGATGAAGATTTCGTGGTGAACA	125
Dd		85	CATGCTGGCGACCCTCCTCCTGCACGTGATGAAGATTTCGTGGTGAACA	144
OY		126	CATGTTGAAAAGAACCATCAATTCCGACATATCTATACCTGAATA	185
Dd		145	CATGTTGAAAAGAACCATCAATTCCGACATATCTATACCTGAATA	204
OY		186	AGAATTCAATAGACATGATGATCCCGCTCGAAGCTATGGGAAATTCA	245
Dd		205	AGAGTTATATAGACAGTGATGCCGCTCGAAGCTATGGGAAATTCA	264
OY		246	CAACCACTCACATAGAACTCTGAAAAACTTTGGACGTATGATSCATTA	305
Dd		265	CACCACTGACATAGAACTCTGAAAAACTTTGGACGTATGATSCATTA	324
OY		306	CATTGGTGTATATAGAAAGTAAATTAACTTTACCAAGCGTTTGGCTCA	365
Dd		325	CATTGGTGTATATAGAAAGTAAATTAACTTTACCAAGCGTTTGGCTCA	384
OY		366	AGATTATGGCCAGAACTCATCTGTTGATTGCTTAGAAACCACTTTCTT	422
Dd		385	AGATTATGGCCAGAACTCATCTGTTGATTGCTTAGAAACCACTTTCTT	444
OY		423	TTTTATGTGGGAAGCTGTAGACAACGTGTTGAAACCTCAATT	464
Dd		445	TTTTATGTGGGAAGCTGTAGACAACGTGTTGAAACCTCAATT	486

RESULT 5  
US-10-177-293-279  
Sequence 279, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Glatt, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Ganavaypu, Manjula  
APPLICANT: Kamakkar, Shubhangl  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic  
APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Monahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Baat Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Puzstai, Lajos  
APPLICANT: Meric, Funda  
APPLICANT: Sahin, Aysegül  
APPLICANT: Mills, Gordon B.  
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT  
FILE REFERENCE: MRI-038  
CURRENT APPLICATION NUMBER: US/10/177,293  
PRIOR FILING DATE: 2002-06-21  
PRIOR APPLICATION NUMBER: US 60/299,887  
PRIOR FILING DATE: 2001-06-21  
PRIOR APPLICATION NUMBER: US 60/301,572  
PRIOR FILING DATE: 2001-06-27  
PRIOR APPLICATION NUMBER: US 60/306,501  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: US 60/325,002  
PRIOR FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US 60/362,585  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
PRIOR FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 506  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 279



QY	Db	QY	Db
6	490	66	430
CTGCACACACACATCGAACACACAGACAGACGCGCCTCGGCATGAAACCTCTATATGCTCT	CTGCACACACACATCGAACACACAGACAGACGCGCCTCGGCATGAAACCTCTATATGCTCT	CATGCTGGAGGCGCCCTCTCTCTGCACTGCTGATATGCAATTTCTGGCTGCAAACTCTCTGGAGGA	CATGCTGGAGGCGCCCTCTCTCTGCACTGCTGATATGCAATTTCTGGCTGCAAACTCTCTGGAGGA
65	431	125	371

QY	6	CTCCACAGGACGACGTGAACACAGACAGGAGCGCGCTCGCCATGAAAGCTGGCATAGGCTCT	65
Db	490	CTCCACACACACGACTGMAACACAGACAGACGCCCGCTCGCCATGAAAGCTGGCATAGGCTCT	431
QY	66	CATGCTGGGGGGCCCTCTCTCTGCACCTGTATGACAGATTCTGGCTGCAAACTCTTGAGAGA	129
Db	430	CATGCTGGGGGGCCCTCTCTCTGCACCTGTATGACAGATTCTGGCTGCAAACTCTTGAGAGA	371
QY	126	CATGCTTGAAGAGACATCAATTCCGACATATCTATACCTGAATATCAAAAGCTTCTTCA	185
Db	370	CATGCTTGAAGAGACCATCAATTCGACATATCTATACCTGAATATCAAAAGGCTTCTTCA	311
QY	186	AGAGTTCATAGACAGTATGCGCTGCAGAGAGCTATGGGGAAATTCAGCAGTGTTCCT	245
Db	310	AGAGTTCATAGACAGTATGCGCTGCAGAGAGCTATGGGGAAATTCAGCAGTGTTCCT	251
QY	246	CAACACGTCACTAGAACTCTGAAAACTTTGACCTGATGTCATCAAGTATACGACAG	305

Db 250 CAACAGCTACATAGAACTCTGAAAAAATTGAGTGTATGATACAGTGTACAGAG 191  
RESULT 10  
US-09-814-353-14927/c  
; Sequence 14927, Application US/09814353  
; Publication No. US20030165831A1  
; GENERAL INFORMATION:  
; APPLICANT: Lee, John  
; APPLICANT: Thompson, Pamela  
; APPLICANT: Lillie, James  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; FILE REFERENCE: MRI-006B  
; CURRENT APPLICATION NUMBER: US/09/814,353  
; CURRENT FILING DATE: 2001-03-21  
; PRIOR APPLICATION NUMBER: US 60/191,031  
; PRIOR FILING DATE: 2000-03-21  
; PRIOR APPLICATION NUMBER: US 60/207,124  
; PRIOR FILING DATE: 2000-05-25  
; PRIOR APPLICATION NUMBER: US 60/211,940  
; PRIOR FILING DATE: 2000-06-15  
; PRIOR APPLICATION NUMBER: US 60/216,820  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: US 60/220,661  
; PRIOR FILING DATE: 2000-07-25  
; PRIOR APPLICATION NUMBER: US 60/257,672  
; NUMBER OF SEQ ID NOS: 22037  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 14927  
; LENGTH: 636  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-814-353-14927  
Query Match 62.0%; Score 295.2; DB 12; Length 636;  
Best Local Similarity 99.0%; Pred. No. 3.7e-88;  
Matches 297; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Qy 6 CTGCCACGACGACTGAACACAGACAGAGCCGCTCGCATGAAGCTGTGATGCTCT 65  
Db 543 CTGCCACAGACGACTGAACACAGACAGAGCCGCTCGCATGAAGCTGTGATGCTCT 484  
Qy 66 CATGCTGGCGGCT 125  
Db 483 CATGCTGGCGGCT 424  
Qy 126 CATGTTGAAAAAGACATCAATTCCGACATATCTATCTGAAATCAAGAGCTTCTTCA 185  
Db 423 CATGTTGAAAAAGACATCAATTCCGACATATCTATCTGAAATCAAGAGCTTCTTCA 364  
Qy 186 AGAGTTTATAGACAGTGTATGCGCTGCGAGAGGCTATGGGAAATTCAGAGCTTTTCT 245  
Db 363 AGAGTTTATAGACAGTGTATGCGCTGCGAGAGGCTATGGGAAATTCAGAGCTTTTCT 304  
Qy 246 CAACAGCTACATAGAACTCTGAAAAAATTGAGTGTATGATACAGTGTACAGAG 305  
Db 303 CAACAGCTACATAGAACTCTGAAAAAATTGAGTGTATGATACAGTGTACAGAG 244  
RESULT 11  
US-10-198-846-8737  
; Sequence 8737, Application US/10198846  
; Publication No. US2003009974A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Lillie, James  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Steinmann, Kathleen  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS

; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; TITLE OF INVENTION: THERAPY OF BREAST CANCER  
; FILE REFERENCE: MRI-049  
; CURRENT APPLICATION NUMBER: US/10/198,846  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 60/306,220  
; PRIOR FILING DATE: 2001-07-18  
; NUMBER OF SEQ ID NOS: 14084  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 8737  
; LENGTH: 407  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 5  
; OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-8737

Query Match 61.6%; Score 293.4; DB 14; Length 407;  
Best Local Similarity 99.7%; Pred. No. 1.1e-87;  
Matches 294; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 6 CTGCCACGACGACTGAACACAGACAGAGCCGCTCGCATGAAGCTGTGATGCTCT 65  
Db 92 CTGCCACGACGACTGAACACAGACAGAGCCGCTCGCATGAAGCTGTGATGCTCT 151  
Qy 66 CATGCTGGCGGCT 125  
Db 152 CATGCTGGCGGCT 211  
Qy 126 CATGTTGAAAAAGACATCAATTCCGACATATCTATCTGAAATCAAGAGCTTCTTCA 185  
Db 212 CATGTTGAAAAAGACATCAATTCCGACATATCTATCTGAAATCAAGAGCTTCTTCA 271  
Qy 186 AGAGTTTATAGACAGTGTATGCGCTGCGAGAGGCTATGGGAAATTCAGAGCTTTCT 245  
Db 272 AGAGTTTATAGACAGTGTATGCGCTGCGAGAGGCTATGGGAAATTCAGAGCTTTCT 331  
Qy 246 CAACAGCTACATAGAACTCTGAAAAAATTGAGTGTATGATACAGTGTAC 300  
Db 332 CAACAGCTACATAGAACTCTGAAAAAATTGAGTGTATGATACAGTGTAC 386

RESULT 12  
US-10-198-846-129  
; Sequence 129, Application US/10198846  
; Publication No. US2003009974A1  
; GENERAL INFORMATION:  
; APPLICANT: Lillie, James  
; APPLICANT: Xu, Yongyao  
; APPLICANT: Wang, Youzhen  
; APPLICANT: Steinmann, Kathleen  
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
; FILE REFERENCE: MRI-049  
; CURRENT APPLICATION NUMBER: US/10/198,846  
; CURRENT FILING DATE: 2002-07-18  
; PRIOR APPLICATION NUMBER: 60/306,220  
; PRIOR FILING DATE: 2001-07-18  
; NUMBER OF SEQ ID NOS: 14084  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 129  
; LENGTH: 499  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: 9  
; OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-129



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US-09-867-701-6508
RESULT 13
US-09-867-701-6508
Sequence 6508, Application US/09867701
Patent No. US2002013237A1
GENERAL INFORMATION:
APPLICANT: Aglate, Paul A.
APPLICANT: Jones, Robert
APPLICANT: Harlocker, Susan L.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
OF OVARIAN CANCER
FILE REFERENCE: 210121.497
CURRENT APPLICATION NUMBER: US/09/867,701
CURRENT FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 10912
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6508
LENGTH: 368
TYPE: DNA
ORGANISM: Homo sapien
US-09-867-701-6508

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Best Local	Similarity	95.8%	Pred. No. 3.3e-83		
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				Indels	3
				Gaps	1
QY	156	ATCTATACCTGSAATPACAAAGAGCTTCTTCAAGAGTTTCATAGACAGTGAATGCCGCTGCAGA	215		
Db	2	ACCTATACCTGAATPACAAAGAGCTTCTTCAAGAGTTTCATAGACAGTGAATGCCGCTGCAGA	61		
QY	216	GGCTATGGGGAAATTCAGACAGTGTCTTCTCAACAGTCACATAGACTCTGAAAACTT	275		
Db	62	GGCTATGGGGAAATTCAGACAGTGTCTTCTTCAACAGTCACATAGAACTCTGAAAACTT	121		
QY	276	TGACATGATGATGTCATACAGTGTACAGACAGCATTTGGTGTAATAGAGAGTAATTAAT	335		
Db	122	TGACATGATGATGTCATACAGTGTACAGACAGCATTTGGTGTAATAGAGAGTAATTAAT	181		
QY	336	TTACCCAAAGGCGTTGGCTCAGAGGGCTACAGACTATGGCCGAATCATCTGTGATTG	395		
Db	182	TTACCCAAAGGCGTTGGCTCAGAGGGCTACAGACTATGGCCGAATCATCTGTGATTG	241		
QY	396	CTAGAAACCACTTTCTTCTTG--TTGCTTTTATGTGGAACTGCTAGCAACTGTT	452		
Db	242	CTAGAAACCACTTTCTTCTTGTTGTTCTTTTATGTGGAACTGCTAGCAACTGTT	301		
QY	453	GAACCTCAATT	464		
Db	302	GAACCTCAAAAT	313		

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RESULT 14
US-09-956-999-5
Sequence 5, Application US/09956999
Patent No. US20020064792A1
GENERAL INFORMATION:
APPLICANT: Lincoln, Stephen
APPLICANT: Klingler, Tod M.
APPLICANT: Au-Young, Janice
APPLICANT: Tang, Y. Tom
APPLICANT: Gould, Richard
APPLICANT: Akerbloom, Ingrid E.
APPLICANT: Seilhamer, Jeffrey J.
APPLICANT: Hawkins, Phillip R.
APPLICANT: Murry, Lynn E.
APPLICANT: Delegeane, Angelo M.
APPLICANT: Levine, Wendy B.
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
APPLICANT: Altus, Christina M.
APPLICANT: Bandman, Olga
APPLICANT: Labrie, Samuel T.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: Database for Storage and Analysis of
FILE REFERENCE: 6514-069CON
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 08/282,955
PRIOR FILING DATE: 1995-07-29
PRIOR APPLICATION NUMBER: 08/187,530
PRIOR FILING DATE: 1994-01-27
PRIOR APPLICATION NUMBER: 08/179,873
PRIOR FILING DATE: 1994-01-11
PRIOR APPLICATION NUMBER: 08/100,523
PRIOR FILING DATE: 1993-08-03
PRIOR APPLICATION NUMBER: 08/137,951
PRIOR FILING DATE: 1993-10-14
PRIOR APPLICATION NUMBER: 07/977,780
PRIOR FILING DATE: 1992-11-19
PRIOR APPLICATION NUMBER: 07/916,491
PRIOR FILING DATE: 1992-07-17
PRIOR APPLICATION NUMBER: 08/289,822
PRIOR FILING DATE: 1994-08-12
PRIOR APPLICATION NUMBER: 08/581,240
PRIOR FILING DATE: 1995-12-29
PRIOR APPLICATION NUMBER: 08/744,026
PRIOR FILING DATE: 1996-11-05
PRIOR APPLICATION NUMBER: 08/766,999
PRIOR FILING DATE: 1997-01-23
PRIOR APPLICATION NUMBER: 08/822,262
PRIOR FILING DATE: 1997-03-20
PRIOR APPLICATION NUMBER: 08/951,750
PRIOR FILING DATE: 1997-10-16
NUMBER OF SEQ ID NOS: 10
SOFTWARE: fastseq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 495
TYPE: DNA
ORGANISM: Homo sapiens
US-09-956-999-5

Query Match 47.0%; Score 223.8; DB 9; Length 495;
Best Local Similarity 71.4%; Pred. No. 2.8e-64;
Matches 325; Conservative 0; Mismatches 122; Indels 8; Gaps 2

QY 7 TGCCACCCAGCAGTGAACAGACAGAGCCGCTCGCATGAAGCTCGATGCTCTC 66
Db 7 TGCACCCCGGACATGAAACACCGACAGACAGAGCCCTCACACGAAGTCTGATGCTCTC 66
QY 67 ATGCTGGCGGCGCTCTCTGCACTGCTATGCAAGTTTGCGTGCAGAACTCCTGGAGAGC 126

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 30, 2003, 14:02:42 ; Search time 17 Seconds  
(without alignments)  
236.443 Million cell updates/sec

Title: US-09-806-302A-2

Perfect score: 95  
Sequence: 1 MKLIMVLMALLLHCYADS.....NFGIMHTVYDSIMCNKSN 95

Scoring table: OLIGO  
Gap60 60.0, Gapext 60.0

Searched: 328717 seqs, 42310858 residues

Word size: 0

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

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- 3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*
- 4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*
- 5: /cgn2\_6/ptodata/1/1aa/ECTUS\_COMB.pep:\*
- 6: /cgn2\_6/ptodata/1/1aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	95	100.0	95	US-08-821-451A-6	Sequence 6, Appli
2	95	100.0	95	US-09-263-810-6	Sequence 6, Appli
3	95	100.0	95	US-09-583-169-6	Sequence 6, Appli
4	12	12.6	93	US-08-455-896-2	Sequence 2, Appli
5	12	12.6	93	US-08-933-148-2	Sequence 2, Appli
6	12	12.6	93	US-09-082-343-2	Sequence 2, Appli
7	12	12.6	93	US-09-082-253-2	Sequence 2, Appli
8	12	12.6	93	US-09-215-818-5	Sequence 5, Appli
9	12	12.6	93	US-09-467-602A-5	Sequence 5, Appli
10	12	12.6	93	US-09-162-622-2	Sequence 2, Appli
11	12	12.6	93	PCR-US96-08235-2	Sequence 2, Appli
12	12	12.6	410	US-09-620-405B-495	Sequence 495, App
13	12	12.6	743	US-09-620-405B-494	Sequence 494, App
14	12	12.6	1095	US-09-620-405B-493	Sequence 493, App
15	11	11.6	794	US-09-162-622-17	Sequence 17, Appl
16	7	7.4	233	US-09-328-352-7602	Sequence 7602, Ad
17	7	7.4	528	US-08-403-852D-21	Sequence 21, Appl
18	7	7.4	528	US-08-510-646B-22	Sequence 22, Appl
19	7	7.4	528	US-09-231-818-21	Sequence 21, Appl
20	7	7.4	767	US-09-252-991A-31198	Sequence 31198, A
21	6	6.3	11	US-07-699-468-2	Sequence 2, Appli
22	6	6.3	11	US-07-699-468-3	Sequence 3, Appli
23	6	6.3	11	US-07-699-468-4	Sequence 4, Appli
24	6	6.3	11	US-07-699-468-5	Sequence 5, Appli
25	6	6.3	11	US-07-699-468-6	Sequence 6, Appli
26	6	6.3	16	US-08-723-415B-9	Sequence 9, Appli
27	6	6.3	16	US-09-189-627A-9	Sequence 9, Appli

28	6	6.3	16	4	US-09-710-861-9	Sequence 9, Appli
29	6	6.3	22	3	US-08-940-095-11	Sequence 11, Appl
30	6	6.3	22	3	US-08-940-095-17	Sequence 17, Appl
31	6	6.3	22	3	US-08-940-095-23	Sequence 23, Appl
32	6	6.3	22	3	US-08-940-095-36	Sequence 36, Appl
33	6	6.3	22	3	US-08-940-095-87	Sequence 87, Appl
34	6	6.3	22	3	US-08-940-093-11	Sequence 11, Appl
35	6	6.3	22	3	US-08-940-093-17	Sequence 17, Appl
36	6	6.3	22	3	US-08-940-093-23	Sequence 23, Appl
37	6	6.3	22	3	US-08-940-093-36	Sequence 36, Appl
38	6	6.3	22	3	US-08-940-093-87	Sequence 87, Appl
39	6	6.3	22	3	US-08-940-096-11	Sequence 11, Appl
40	6	6.3	22	3	US-08-940-096-17	Sequence 17, Appl
41	6	6.3	22	3	US-08-940-096-23	Sequence 23, Appl
42	6	6.3	22	3	US-08-940-096-36	Sequence 36, Appl
43	6	6.3	22	3	US-08-940-096-87	Sequence 87, Appl
44	6	6.3	22	3	US-09-465-719-11	Sequence 11, Appl
45	6	6.3	22	3	US-09-465-719-17	Sequence 17, Appl

## ALIGNMENTS

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RESULT 1
US-08-821-451A-6
; Sequence 6, Application US/08821451A
; Patent No. 6066772
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-liang Yu and Reiner Genz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESS: CARELIA, BYRNE, BAIN, GILTTLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (P2577)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 95 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-821-451A-6
;
Query Match 100.0%; Score 95; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 3.5e-87;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
1 MKLIMVLMALLLHCYADSGCKLLDPEVKTINSIDISIPYKELLGFIQSDAAEAMWG 60

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Db 1 M K L M V L M L A L L H C Y A D S G C K L E D M V E K T I N S D I S I P E Y K E L L O E F I D S D A A A E A M G 60  
Qy 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95  
Db 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95

## RESULT 2

US-09-263-810-6  
Sequence 6, Application US/09263810  
Patent No. 6174992  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,810  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-263-810-6

Query Match 100.0%; Score 95; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 3.5e-87;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 M K L M V L M L A L L H C Y A D S G C K L E D M V E K T I N S D I S I P E Y K E L L O E F I D S D A A A E A M G 60  
Db 1 M K L M V L M L A L L H C Y A D S G C K L E D M V E K T I N S D I S I P E Y K E L L O E F I D S D A A A E A M G 60  
Qy 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95  
Db 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95

RESULT 3  
US-09-583-169-6  
Sequence 6, Application US/09583169  
Patent No. 6338948  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/583,169  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-583-169-6

Query Match 100.0%; Score 95; DB 4; Length 95;  
Best Local Similarity 100.0%; Pred. No. 3.5e-87;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 M K L M V L M L A L L H C Y A D S G C K L E D M V E K T I N S D I S I P E Y K E L L O E F I D S D A A A E A M G 60  
Db 1 M K L M V L M L A L L H C Y A D S G C K L E D M V E K T I N S D I S I P E Y K E L L O E F I D S D A A A E A M G 60  
Qy 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95  
Db 61 K F K O C F L N O S H R T L K N F G L M M H T V Y D S I W C N M K S N 95

RESULT 4  
US-08-455-896-2  
Sequence 2, Application US/08455896  
Patent No. 5668267  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/455,896  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HOLLAND, DONALD R.  
 REGISTRATION NUMBER: 35,197  
 REFERENCE/DOCKET NUMBER: 952726  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 727-5188  
 TELEFAX: (314) 727-6092  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 93 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 US-08-455-896-2

Query Match 12.6%; Score 12; DB 1; Length 93;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-05;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLWVLMAL 12  
 DB 1 MRLWVLMAL 12

RESULT 5  
 US-08-933-149-2  
 Sequence 2, Application US/08933149  
 Patent No. 5922836  
 GENERAL INFORMATION:  
 APPLICANT: WATSON, MARK A.  
 APPLICANT: FLEMING, TIMOTHY P.  
 TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED  
 TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN  
 NUMBER OF SEQUENCES: 14  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: HOWELL & HAFERKAMP, L.C.  
 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
 CITY: ST. LOUIS  
 STATE: MISSOURI  
 COUNTRY: USA  
 ZIP: 63105-1817  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/933,149  
 FILING DATE:  
 CLASSIFICATION: 424  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HENDERSON, MELODIE W.  
 REGISTRATION NUMBER: 37,848  
 REFERENCE/DOCKET NUMBER: 6029-6040  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 727-5188  
 TELEFAX: (314) 727-6092  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 93 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 US-08-933-149-2

Query Match 12.6%; Score 12; DB 2; Length 93;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-05;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLWVLMAL 12  
 DB 1 MRLWVLMAL 12

RESULT 6  
 US-09-082-343-2  
 Sequence 2, Application US/09082343  
 Patent No. 5968754  
 GENERAL INFORMATION:  
 APPLICANT: WATSON, MARK A.  
 APPLICANT: FLEMING, TIMOTHY P.  
 TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
 TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
 NUMBER OF SEQUENCES: 13  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
 STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
 CITY: ST. LOUIS  
 STATE: MISSOURI  
 COUNTRY: USA  
 ZIP: 63105-1817  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/082,343  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/455,896  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HOLLAND, DONALD R.  
 REGISTRATION NUMBER: 35,197  
 REFERENCE/DOCKET NUMBER: 952726  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (314) 727-5188  
 TELEFAX: (314) 727-6092  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 93 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 HYPOTHETICAL: NO  
 US-09-082-343-2

Query Match 12.6%; Score 12; DB 2; Length 93;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-05;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLWVLMAL 12  
 DB 1 MRLWVLMAL 12

RESULT 7  
 US-09-082-253-2  
 Sequence 2, Application US/09082253  
 Patent No. 6004756  
 GENERAL INFORMATION:  
 APPLICANT: WATSON, MARK A.  
 APPLICANT: FLEMING, TIMOTHY P.  
 TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
 TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN

```

; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,253
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/455,896
; FILING DATE: 05/31/1995
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 952726
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHEICAL: NO
;
US-09-082-253-2
;
Query Match 12.6%; Score 12; DB 3; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MKLMLVLMAL 12
Db 1 MKLMLVLMAL 12

RESULT 8
US-09-215-818-5
; Sequence 5, Application US/09215818A
; Patent No. 6379671
; GENERAL INFORMATION:
; APPLICANT: Colpitts, Tracey
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5972.US.P2
; CURRENT APPLICATION NUMBER: US/09/215,818A
; CURRENT FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: 08/912,276
; EARLIER FILING DATE: 1997-08-17
; EARLIER APPLICATION NUMBER: 08/697,105
; EARLIER FILING DATE: 1996-08-19
; EARLIER APPLICATION NUMBER: 08/912,149
; EARLIER FILING DATE: 1997-08-15
; EARLIER APPLICATION NUMBER: 08/697,106
; EARLIER FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo Sapiens
;
US-09-215-818-5
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Query Match 12.6%; Score 12; DB 4; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MKLMLVLMAL 12
Db 1 MKLMLVLMAL 12

RESULT 9
US-09-467-602A-5
; Sequence 5, Application US/09467602A
; Patent No. 6552164
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Colpitts, Tracey L.
; TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR
; TITLE OF INVENTION: DETECTING DISEASES OF THE BREAST
; FILE REFERENCE: 5972.US.P5
; CURRENT APPLICATION NUMBER: US/09/467,602A
; CURRENT FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 08/215,818
; PRIOR FILING DATE: 1998-12-18
; PRIOR APPLICATION NUMBER: US 08/912,276
; PRIOR FILING DATE: 1997-08-17
; PRIOR APPLICATION NUMBER: US 08/697,105
; PRIOR FILING DATE: 1996-08-19
; PRIOR APPLICATION NUMBER: US 08/912,149
; PRIOR FILING DATE: 1997-08-15
; PRIOR APPLICATION NUMBER: US 08/697,106
; PRIOR FILING DATE: 1996-08-19
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-467-602A-5
;
Query Match 12.6%; Score 12; DB 4; Length 93;
Best Local Similarity 100.0%; Pred. No. 9.9e-05;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy 1 MKLMLVLMAL 12
Db 1 MKLMLVLMAL 12

RESULT 10
US-09-162-622-2
; Sequence 2, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mamaglobin, A Secreted Mammary-Specific Breast Cancer
; TITLE OF INVENTION: Protein
; FILE REFERENCE: 6029-5134
; CURRENT APPLICATION NUMBER: US/09/162,622
; CURRENT FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; EARLIER FILING DATE: 1995-05-31
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 2
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapiens
;
US-09-162-622-2
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US-09-162-622-2

Query Match 12.6%; Score 12; DB 4; Length 93;

Best Local Similarity 100.0%; Pred. No. 9.9e-05;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMVLMLAAL 12  
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 DB 1 MRLMVLMLAAL 12

RESULT 11

PCT-US96-08235-2

Sequence 2, Application PC/TUS9608235

GENERAL INFORMATION:

APPLICANT: MATSON, MARK A.

APPLICANT: FLEMING, TIMOTHY P.

TITLE OF INVENTION: DNA SEQUENCE AND ENCODED

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: ROGERS, HOWELL & HAFERKAMP

STREET: 7733 FORSYTH BOULEVARD, SUITE 1400

CITY: ST. LOUIS

STATE: MISSOURI

COUNTRY: USA

ZIP: 63105-1817

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/08235

FILING DATE:

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.

REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 964796

TELECOMMUNICATION INFORMATION:

TELEPHONE: (314) 727-5188

TELEFAX: (314) 727-6092

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 93 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHEICAL: NO

PCT-US96-08235-2

Query Match 12.6%; Score 12; DB 5; Length 93;

Best Local Similarity 100.0%; Pred. No. 9.9e-05;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMVLMLAAL 12  
 |||||  
 DB 1 MRLMVLMLAAL 12

RESULT 12

US-09-620-405B-495

Sequence 495, Application US/09620405B

Patent No. 6528054

GENERAL INFORMATION:

APPLICANT: JIANG, YUGUO

APPLICANT: DILLON, DAVID C.

APPLICANT: MITCHEM, JENNIFER L.

APPLICANT: XU, JIANGCHUN

APPLICANT: HARLOCKER, SUSAN L.

APPLICANT: HEPLER, WILLIAM T.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121.470C8

CURRENT APPLICATION NUMBER: US/09/620,405B

CURRENT FILING DATE: 2000-07-20

NUMBER OF SEQ ID NOS: 495

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 495

LENGTH: 410

TYPE: PRT

ORGANISM: Homo sapiens

US-09-620-405B-495

Query Match 12.6%; Score 12; DB 4; Length 410;

Best Local Similarity 100.0%; Pred. No. 0.00037;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMVLMLAAL 12  
 |||||  
 DB 1 MRLMVLMLAAL 12

RESULT 13

US-09-620-405B-494

Sequence 494, Application US/09620405B

Patent No. 6528054

GENERAL INFORMATION:

APPLICANT: JIANG, YUGUO

APPLICANT: DILLON, DAVID C.

APPLICANT: MITCHEM, JENNIFER L.

APPLICANT: XU, JIANGCHUN

APPLICANT: HARLOCKER, SUSAN L.

APPLICANT: HEPLER, WILLIAM T.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121.470C8

CURRENT APPLICATION NUMBER: US/09/620,405B

CURRENT FILING DATE: 2000-07-20

NUMBER OF SEQ ID NOS: 495

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 494

LENGTH: 743

TYPE: PRT

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: variant

LOCATION: (1)...(743)

OTHER INFORMATION: Xaa = Any amino acid

US-09-620-405B-494

Query Match 12.6%; Score 12; DB 4; Length 743;

Best Local Similarity 100.0%; Pred. No. 0.00062;

Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRLMVLMLAAL 12  
 |||||  
 DB 1 MRLMVLMLAAL 12

RESULT 14

US-09-620-405B-493

Sequence 493, Application US/09620405B

Patent No. 6528054

GENERAL INFORMATION:

APPLICANT: JIANG, YUGUO

APPLICANT: DILLON, DAVID C.

APPLICANT: MITCHEM, JENNIFER L.

APPLICANT: XU, JIANGCHUN

APPLICANT: HARLOCKER, SUSAN L.

APPLICANT: HEPLER, WILLIAM T.

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF BREAST CANCER

FILE REFERENCE: 210121.470C8

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; CURRENT APPLICATION NUMBER: US/09/620,405B
; CURRENT FILING DATE: 2000-07-20
; NUMBER OF SEQ ID NOS: 495
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 493
; LENGTH: 1095
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(1095)
; OTHER INFORMATION: Xaa = Any amino acid
US-09-620-405B-493

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Query Match          12.6% Score 12; DB 4; Length 1095;
Best Local Similarity 100.0%; Pred. No. 0.00087;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      1 MKLIMVLMAL 12
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Db      1 MKLIMVLMAL 12

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RESULT 15
US-09-162-622-17
; Sequence 17, Application US/09162622
; Patent No. 6566072
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A
; APPLICANT: FLEMING, TIMOTHY P
; TITLE OF INVENTION: Mammaplojin, A Secreted Mammary-Specific Breast Cancer
; TITLE OF INVENTION: Protein
; FILE REFERENCE: 6029-5134
; CURRENT APPLICATION NUMBER: US/09/162,622
; CURRENT FILING DATE: 1998-09-29
; EARLIER APPLICATION NUMBER: 08/933,149
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: PCT/US96/08235
; EARLIER FILING DATE: 1996-05-31
; EARLIER APPLICATION NUMBER: 08/455,896
; EARLIER FILING DATE: 1995-05-31
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 17
; LENGTH: 74
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-162-622-17

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Query Match          11.6% Score 11; DB 4; Length 74;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy      41 EYKELQEFID 51
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Db      22 EYKELQEFID 32

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Search completed: October 30, 2003, 14:07:46
Job time : 17 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compen Ltd.

OM protein - protein search, using sw model

Run on: October 30, 2003, 14:06:33 ; Search time 23 Seconds  
(without alignments)  
706,908 Million cell updates/sec

Title: US-09-806-302A-2

Perfect score: 95  
Sequence: 1 MKLMLVLMALALLHCYADS.....NFGLMHTVDSIWCNMKSN 95

Scoring table: OLIGO  
Gapop 60.0 , Gapext 60.0

Searched: 642050 seqs, 171146064 residues

Word size : 0

Total number of hits satisfying chosen parameters: 642050

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

- 1: Published Applications AA.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
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- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	95	100.0	95	9	US-09-110-716-31
2	95	100.0	95	10	US-09-985-911-6
3	95	100.0	95	12	US-10-119-431-27
4	95	100.0	95	15	US-10-097-340-187
5	95	100.0	95	15	US-10-177-293-280
6	77	81.1	77	9	US-09-110-716-13
7	65	66.4	76	9	US-09-110-716-40
8	12	12.6	13	9	US-09-757-417-29
9	12	12.6	13	15	US-10-042-945-29
10	12	12.6	90	11	US-09-905-673-28
11	12	12.6	90	11	US-09-905-673-54
12	12	12.6	90	12	US-10-096-319-28
13	12	12.6	90	12	US-10-096-319-54
14	12	12.6	93	9	US-09-757-417-27
15	12	12.6	93	10	US-09-934-054-3

16	12	12.6	93	10	US-09-934-054-10	Sequence 10, Appl
17	12	12.6	93	11	US-09-975-502A-5	Sequence 1, Appl
18	12	12.6	93	11	US-09-905-673-1	Sequence 5, Appl
19	12	12.6	93	11	US-09-905-673-29	Sequence 29, Appl
20	12	12.6	93	11	US-09-905-673-30	Sequence 30, Appl
21	12	12.6	93	11	US-09-905-673-31	Sequence 31, Appl
22	12	12.6	93	11	US-09-905-673-32	Sequence 32, Appl
23	12	12.6	93	11	US-09-905-673-33	Sequence 33, Appl
24	12	12.6	93	11	US-09-905-673-34	Sequence 34, Appl
25	12	12.6	93	11	US-09-905-673-52	Sequence 52, Appl
26	12	12.6	93	11	US-09-905-673-53	Sequence 53, Appl
27	12	12.6	93	12	US-10-124-805-503	Sequence 503, App
28	12	12.6	93	12	US-10-096-319-1	Sequence 1, Appl
29	12	12.6	93	12	US-10-096-319-29	Sequence 29, Appl
30	12	12.6	93	12	US-10-096-319-31	Sequence 31, Appl
31	12	12.6	93	12	US-10-096-319-32	Sequence 32, Appl
32	12	12.6	93	12	US-10-096-319-33	Sequence 33, Appl
33	12	12.6	93	12	US-10-096-319-34	Sequence 34, Appl
34	12	12.6	93	12	US-10-096-319-52	Sequence 52, Appl
35	12	12.6	93	12	US-10-096-319-53	Sequence 53, Appl
36	12	12.6	93	14	US-10-007-805-503	Sequence 503, App
37	12	12.6	93	15	US-10-076-622-503	Sequence 503, Appl
38	12	12.6	93	15	US-10-042-945-27	Sequence 27, Appl
39	12	12.6	93	15	US-10-157-031-56	Sequence 56, Appl
40	12	12.6	93	15	US-10-177-293-278	Sequence 278, App
41	12	12.6	101	15	US-10-042-945-58	Sequence 58, Appl
42	12	12.6	102	15	US-10-042-945-59	Sequence 59, Appl
43	12	12.6	132	9	US-09-757-417-47	Sequence 47, Appl
44	12	12.6	132	9	US-10-042-945-47	Sequence 47, Appl
45	12	12.6	132	15	US-10-042-945-47	Sequence 47, Appl

ALIGNMENTS

RESULT 1  
US-09-110-716-31  
; Sequence 31, Application US/09110716A  
; Patent No. US0020034739A1  
GENERAL INFORMATION:  
; APPLICANT: Lehrer, Robert I.  
; APPLICANT: Zhao, Chengquan  
; APPLICANT: Glasgow, Benjamin J.  
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
; FILE REFERENCE: 22000-20586.00  
; CURRENT APPLICATION NUMBER: US/09/110,716A  
; CURRENT FILING DATE: 1998-07-07  
; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 31  
; LENGTH: 95  
; TYPE: PRT  
; ORGANISM: lipophilin C  
US-09-110-716-31

Query Match	100.0%	Score 95;	DB 9;	Length 95;
Best Local Similarity	100.0%	Pred. No. 5.8e-84;		
Matches	95;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
QY	1	MKLMLVLMALALLHCYADSGCKLLEDVMEKINSISIPYKELQFISDAABMG	60	
DB	1	MKLMLVLMALALLHCYADSGCKLLEDVMEKINSISIPYKELQFISDAABMG	60	
QY	61	KFKCFLNQSHTLKNFGLMHTVDSIWCNMKSN	95	
DB	61	KFKCFLNQSHTLKNFGLMHTVDSIWCNMKSN	95	
RESULT 2	US-09-985-911-6			
	; Sequence 6, Application US/09985911			
	; Patent No. US20020151012A1			
	; GENERAL INFORMATION:			

APPLICANT: NI ET AL.  
TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III  
FILE REFERENCE: P257373  
CURRENT APPLICATION NUMBER: US/09/985,911  
CURRENT FILING DATE: 2001-11-06  
PRIOR APPLICATION NUMBER: 09/583,169  
PRIOR FILING DATE: 2000-05-30  
PRIOR APPLICATION NUMBER: 09/263,810  
PRIOR FILING DATE: 1999-03-08  
PRIOR APPLICATION NUMBER: 08/821,451  
PRIOR FILING DATE: 1997-03-21  
PRIOR APPLICATION NUMBER: 60/014,724  
PRIOR FILING DATE: 1996-03-21  
NUMBER OF SEQ ID NOS: 27  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 6  
LENGTH: 95  
TYPE: PRT  
ORGANISM: human  
US-09-985-911-6

Query Match 100.0%; Score 95; DB 10; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60

Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95  
Db 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95

## RESULT 3

US-10-119-431-27  
Sequence 27, Application US/10119431  
Publication No. US20030152939A1  
GENERAL INFORMATION:  
APPLICANT: Smitson, Glenda  
APPLICANT: Zernusen, Bryan  
APPLICANT: Zhong, Mei  
APPLICANT: Khramtsov, Nikolai  
APPLICANT: Li, Li  
APPLICANT: Gusev, Vladimir  
APPLICANT: Padigaru, Muralidhara  
APPLICANT: Anderson, David  
APPLICANT: Shinkels, Richard A.  
TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING  
TITLE OF INVENTION: THEM  
FILE REFERENCE: Cura-29 CIP1  
CURRENT APPLICATION NUMBER: US/10/119,431  
CURRENT FILING DATE: 2002-11-15  
PRIOR APPLICATION NUMBER: 60/103,195  
PRIOR FILING DATE: 1998-10-06  
PRIOR APPLICATION NUMBER: 60/282,548  
PRIOR FILING DATE: 2001-04-09  
PRIOR APPLICATION NUMBER: 09/412,231  
PRIOR FILING DATE: 1999-10-05  
NUMBER OF SEQ ID NOS: 46  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 27  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-119-431-27

Query Match 100.0%; Score 95; DB 12; Length 95;

Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60  
Db 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60

Db 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60  
Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95  
Db 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95

## RESULT 4

US-10-097-340-187  
Sequence 187, Application US/10097340  
Publication No. US20030087250A1  
GENERAL INFORMATION:  
APPLICANT: John MONAHAN  
APPLICANT: Manjula GANNANVARAPU  
APPLICANT: Sebastian HOERSCHE  
APPLICANT: Shubhangi KAMATKAR  
APPLICANT: Steve G. KOVATS  
APPLICANT: Rachel E. MEYERS  
APPLICANT: Michael MORRISSEY  
APPLICANT: Peter OLANDT  
APPLICANT: Ami SEN  
APPLICANT: Peter VEIBY  
APPLICANT: Gordon B. MILLS  
APPLICANT: Robert C. BAST, JR.  
APPLICANT: Karen LU  
APPLICANT: Rosemarie SCHMANDT  
APPLICANT: Xumei ZHAO  
APPLICANT: Karen GLATT  
TITLE OF INVENTION: Nucleic Acid Molecules and Proteins for The Identification,  
FILE REFERENCE: MRI-030  
CURRENT APPLICATION NUMBER: US/10/097,340  
CURRENT FILING DATE: 2002-03-14  
PRIOR APPLICATION NUMBER: 60/276,025  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/325,149  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/276,026  
PRIOR FILING DATE: 2001-03-14  
PRIOR APPLICATION NUMBER: 60/324,967  
PRIOR FILING DATE: 2001/09/26  
PRIOR APPLICATION NUMBER: 60/311,732  
PRIOR FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: 60/325,102  
PRIOR FILING DATE: 2001-09-26  
PRIOR APPLICATION NUMBER: 60/323,580  
PRIOR FILING DATE: 2001-09-19  
NUMBER OF SEQ ID NOS: 363  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 187  
LENGTH: 95  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-097-340-187

Query Match 100.0%; Score 95; DB 15; Length 95;  
Best Local Similarity 100.0%; Pred. No. 5,8e-84;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60  
Db 1 MKLWVLMALALLHCYADSGCKLEDVVEKTIINSISIPYKELQEFISDAAAEAMG 60  
Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95  
Db 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNKN 95

## RESULT 5

US-10-177-293-280  
Sequence 280, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:

```

; APPLICANT: Lillie, James
; APPLICANT: Glatc, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Ganavarru, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Yic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-280

Query Match
Best Local Similarity 100.0%; Score 95; DB 15; Length 95;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALLHCYADSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMG 60

QY 61 KFKQCFLNOSHTLKNFGMLMHTTVYDSICNMKSN 95
DB 61 KFKQCFLNOSHTLKNFGMLMHTTVYDSICNMKSN 95

RESULT 6
US-09-110-716-13
; Sequence 13, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 13
; LENGTH: 77
; TYPE: PRT
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; ORGANISM: lipophilin C
US-09-110-716-13

Query Match
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Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 DSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMGKFKQCFLNOSHTLKNFG 78
DB 1 DSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMGKFKQCFLNOSHTLKNFG 60

QY 79 LMHTTVYDSICNMKSN 95
DB 61 LMHTTVYDSICNMKSN 77

RESULT 7
US-09-110-716-40
; Sequence 40, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 40
; LENGTH: 76
; TYPE: PRT
; ORGANISM: Ignc
US-09-110-716-40

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Matches 65; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 DSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMGKFKQCFLNOSHTLKNFG 78
DB 1 DSGCKLEDMVEKTIINSISPEYKELLOEFIDSDAAAEAMGKFKQCFLNOSHTLKNFG 60

QY 79 LMHT 83
DB 61 LMHT 65

RESULT 8
US-09-757-417-29
; Sequence 29, Application US/09757417
; Patent No. US20020082216A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY, DIAGNOSIS AND MONITORING OF BREAST CANCER
; FILE REFERENCE: 210121.479C1
; CURRENT APPLICATION NUMBER: US/09/757,417
; CURRENT FILING DATE: 2001-01-08
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 13
; TYPE: PRT
; ORGANISM: Homo sapien
US-09-757-417-29

Query Match
Best Local Similarity 12.6%; Score 12; DB 9; Length 13;
Matches 100.0%; Pred. No. 8.1e-05;
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Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 9  
US-10-042-945-29  
; Sequence 29, Application US/10042945  
; Publication No. US2003004568A1  
; GENERAL INFORMATION:  
; APPLICANT: Fling, Steven P.  
; APPLICANT: Foy, Teresa M.  
; APPLICANT: Clapper, Jonathan D.  
; APPLICANT: Wang, Aijun  
; APPLICANT: Johnson, Jeffrey C.  
; APPLICANT: McNeill, Patricia D.  
; APPLICANT: Sutherland, R. Alec  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY,  
; TITLE OF INVENTION: DIAGNOSIS AND MONITORING OF BREAST CANCER  
; FILE REFERENCE: 210121.479C3  
; CURRENT APPLICATION NUMBER: US/10/042,945  
; CURRENT FILING DATE: 2002-01-08  
; NUMBER OF SEQ ID NOS: 69  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 29  
; LENGTH: 13  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-042-945-29

Query Match 12.6%; Score 12; DB 15; Length 13;  
Best Local Similarity 100.0%; Pred. No. 8.1e-05;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 10  
US-09-905-673-28  
; Sequence 28, Application US/09905673  
; Publication No. US20030059432A1  
; GENERAL INFORMATION:  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Fanger, Gary R.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C1  
; CURRENT APPLICATION NUMBER: US/09/905,673  
; CURRENT FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-673-28

Query Match 12.6%; Score 12; DB 11; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 11  
US-09-905-673-54  
; Sequence 54, Application US/09905673

; Publication No. US20030059432A1  
; GENERAL INFORMATION:  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Fanger, Gary R.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C1  
; CURRENT APPLICATION NUMBER: US/09/905,673  
; CURRENT FILING DATE: 2001-07-13  
; NUMBER OF SEQ ID NOS: 67  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 54  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-905-673-54

Query Match 12.6%; Score 12; DB 11; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 12  
US-10-096-319-28  
; Sequence 28, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Dutham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darick  
; APPLICANT: Persing, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2  
; CURRENT APPLICATION NUMBER: US/10/096,319  
; CURRENT FILING DATE: 2002-03-12  
; NUMBER OF SEQ ID NOS: 78  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 28  
; LENGTH: 90  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-096-319-28

Query Match 12.6%; Score 12; DB 12; Length 90;  
Best Local Similarity 100.0%; Pred. No. 0.00043;  
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MKLIMVLMAL 12  
Db 1 MKLIMVLMAL 12

RESULT 13  
US-10-096-319-54  
; Sequence 54, Application US/10096319  
; Publication No. US20030170246A1  
; GENERAL INFORMATION:  
; APPLICANT: Fanger, Gary R.  
; APPLICANT: Dutham, Margarita  
; APPLICANT: Houghton, Raymond L.  
; APPLICANT: Dillon, Davin C.  
; APPLICANT: Carter, Darick  
; APPLICANT: Persing, David H.  
; TITLE OF INVENTION: LIPOPHILIN COMPLEXES FOR USE IN CANCER  
; FILE REFERENCE: 210121.498C2

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; CURRENT APPLICATION NUMBER: US/10/096,319
; CURRENT FILING DATE: 2002-03-12
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 54
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-096-319-54

Query Match      12.6%; Score 12; DB 12; Length 90;
Best Local Similarity 100.0%; Pred. No. 0.00043;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLWVLMAL 12
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        1 MRLWVLMAL 12

Db
        1 MRLWVLMAL 12

RESULT 14
US-09-757-417-27
; Sequence 27, Application US/09757417
; Patent No. US20020082216A1
; GENERAL INFORMATION:
; APPLICANT: Fanger, Gary R.
; APPLICANT: Foy, Theresa M.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TITLE OF INVENTION: THERAPY, DIAGNOSIS AND MONITORING OF BREAST CANCER
; FILE REFERENCE: 210121.479c1
; CURRENT APPLICATION NUMBER: US/09/757,417
; CURRENT FILING DATE: 2001-01-08
; NUMBER OF SEQ ID NOS: 49
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 27
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-757-417-27

Query Match      12.6%; Score 12; DB 9; Length 93;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLWVLMAL 12
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        1 MRLWVLMAL 12

Db
        1 MRLWVLMAL 12

RESULT 15
US-09-934-054-3
; Sequence 3, Application US/09934054
; Patent No. US20020107385A1
; GENERAL INFORMATION:
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Murry, Lynn E.
; APPLICANT: Goli, Surya K.
; APPLICANT: Hawkins, Phillip R.
; TITLE OF INVENTION: BREAST TUMOR SPECIFIC PROTEINS
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 2200 Sand Hill Road, Suite 100
; CITY: Menlo Park
; STATE: CA
; COUNTRY: USA
; ZIP: 94025-6936
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/934,054
; FILING DATE: 21-Aug-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/747,547
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0077 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 93 amino acids
; TYPE: amino acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: <unknown>
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-934-054-3

Query Match      12.6%; Score 12; DB 10; Length 93;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 MRLWVLMAL 12
        |||||
        1 MRLWVLMAL 12

Db
        1 MRLWVLMAL 12
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GenCore version 5.1.6  
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OM protein - protein search, using sw model

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Title: US-09-806-302a-2

Perfect score: 496

Sequence: 1 MKLLVLMALLLHCHYADS.....NFGLMHTVYDSICMKNKSN 95

Scoring table: BLOSUM62

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Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

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2: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	496	100.0	95	3	US-08-821-451A-6
2	496	100.0	95	3	US-09-263-810-6
3	496	100.0	95	4	US-09-583-169-6
4	281	56.7	93	1	US-08-455-896-2
5	281	56.7	93	2	US-08-933-149-2
6	281	56.7	93	2	US-09-082-343-2
7	281	56.7	93	3	US-09-082-253-2
8	281	56.7	93	4	US-09-215-818-5
9	281	56.7	93	4	US-09-467-602A-5
10	281	56.7	93	4	US-09-162-622-2
11	281	56.7	93	5	PCT-US86-08235-2
12	281	56.7	410	4	US-09-620-405B-495
13	281	56.7	743	4	US-09-620-405B-494
14	281	56.7	1095	4	US-09-620-405B-493
15	206	41.5	74	4	US-09-162-622-17
16	196.5	39.6	95	3	US-08-821-451A-27
17	196.5	39.6	95	3	US-09-263-810-27
18	196.5	39.6	95	4	US-09-583-169-27
19	195.5	39.4	95	1	US-08-455-896-7
20	195.5	39.4	95	2	US-08-933-149-7
21	195.5	39.4	95	3	US-09-082-343-7
22	195.5	39.4	95	3	US-09-082-253-7
23	195.5	39.4	95	4	US-09-162-622-7
24	195.5	39.4	95	5	PCT-US86-08235-7
25	65	13.1	1255	3	US-08-947-823-3
26	64.5	13.0	271	4	US-09-328-352-4569
27	63.5	12.8	582	1	US-08-431-080-16

28	63.5	12.8	582	2	US-08-938-534-16	Sequence 16, Appl
29	63.5	12.8	582	4	US-09-345-294-16	Sequence 16, Appl
30	62.5	12.6	535	4	US-09-328-352-6597	Sequence 6597, Ap
31	62.5	12.6	576	4	US-09-252-991A-30303	Sequence 30303, A
32	62	12.5	496	4	US-09-107-532A-4616	Sequence 4616, Ap
33	61.5	12.4	233	4	US-09-328-352-7602	Sequence 7602, Ap
34	61.5	12.4	1604	4	US-09-004-838-95	Sequence 95, Appl
35	61	12.3	446	2	US-08-922-171-3	Sequence 3, Appl
36	61	12.3	472	4	US-09-328-352-8240	Sequence 8240, Ap
37	61	12.3	472	2	US-08-922-171-2	Sequence 2, Appl
38	61	12.3	765	4	US-09-975-326-4	Sequence 4, Appl
39	61	12.3	766	4	US-09-975-326-2	Sequence 2, Appl
40	61	12.3	1257	3	US-08-947-823-5	Sequence 5, Appl
41	60.5	12.2	180	4	US-09-996-243-256	Sequence 256, App
42	59.5	12.0	114	1	US-08-031-399-3	Sequence 3, Appl
43	59.5	12.0	114	1	US-08-031-399-6	Sequence 6, Appl
44	59.5	12.0	114	1	US-08-031-399-12	Sequence 12, Appl
45	59.5	12.0	114	1	US-08-393-305-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1  
US-08-821-451A-6  
Sequence 6, Application US/08821451A  
Patent No. 6066724  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
BINDING FACTOR I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARBULA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/821,451A  
FILING DATE: March 21, 1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/014,724  
FILING DATE: March 21, 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-08-821-451A-6  
Query Match 100.0%; Score 496; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 9.4e-54;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 1 MKLWVLMALALHCHYADSGCKLEDMVEKTI NSDISPEYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95  
DB 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95

## RESULT 2

US-09-263-810-6  
Sequence 6, Application US/09263810  
Patent No. 6174992  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-  
TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,810  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-263-810-6

Query Match 100.0%; Score 496; DB 3; Length 95;  
Best Local Similarity 100.0%; Pred. No. 9.4e-54;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLWVLMALALHCHYADSGCKLEDMVEKTI NSDISPEYKELQEFIDSDAAAEAMG 60  
DB 1 MKLWVLMALALHCHYADSGCKLEDMVEKTI NSDISPEYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95  
DB 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95

## RESULT 3

US-09-583-169-6  
Sequence 6, Application US/09583169  
Patent No. 6338948  
GENERAL INFORMATION:  
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz  
TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
ADDRESSEE: CECCHI, STEWART & OLSTEIN  
STREET: 6 BECKER FARM ROAD  
CITY: ROSELAND  
STATE: NEW JERSEY  
COUNTRY: USA  
ZIP: 07068

COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 INCH DISKETTE  
COMPUTER: IBM PS/2  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: WORD PERFECT 5.1  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/583,169  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/821,451  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: MULLINS, J.G.  
REGISTRATION NUMBER: 33,073  
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-994-1700  
TELEFAX: 201-994-1744  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 95 AMINO ACIDS  
TYPE: AMINO ACID  
STRANDEDNESS:  
TOPOLOGY: LINEAR  
MOLECULE TYPE: PROTEIN  
US-09-583-169-6

Query Match 100.0%; Score 496; DB 4; Length 95;  
Best Local Similarity 100.0%; Pred. No. 9.4e-54;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLWVLMALALHCHYADSGCKLEDMVEKTI NSDISPEYKELQEFIDSDAAAEAMG 60  
DB 1 MKLWVLMALALHCHYADSGCKLEDMVEKTI NSDISPEYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95  
DB 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNMKSN 95

## RESULT 4

US-08-455-896-2  
Sequence 2, Application US/08455896  
Patent No. 5668267  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25



```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,896
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-455-896-2

```

```

Query Match      56.7%; Score 281; DB 1; Length 93;
Best Local Similarity 58.7%; Pred. No. 2.8e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

```

```

Qy 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Db 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNM 92
    :|||
Db 61 ELKECFLNQTDETLSNVEVFMOIYDSSLCDL 92
    :|||

```

```

RESULT 5
US-08-933-149-2
Sequence 2, Application US/08933149
Patent No. 5922836
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,149
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: HENDERSON, MELODIE W.
REGISTRATION NUMBER: 37,848
REFERENCE/DOCKET NUMBER: 6029-6040
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

```

```

MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-933-149-2

```

```

Query Match      56.7%; Score 281; DB 2; Length 93;
Best Local Similarity 58.7%; Pred. No. 2.8e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

```

```

Qy 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Db 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNM 92
    :|||
Db 61 ELKECFLNQTDETLSNVEVFMOIYDSSLCDL 92
    :|||

```

```

RESULT 6
US-09-082-343-2
Sequence 2, Application US/09082343
Patent No. 5968754
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,343
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-343-2

```

```

Query Match      56.7%; Score 281; DB 2; Length 93;
Best Local Similarity 58.7%; Pred. No. 2.8e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

```

```

Qy 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Db 1 MLLMVLMLAALLHCHYADSGCKLEDMVEKTIINSIPYKELLOEFIDSDAAAEAMG 60
    |||||
Qy 61 KFKQCFLNQSHRTLKNGFLMHTVYDSIWCNM 92
    :|||
Db 61 ELKECFLNQTDETLSNVEVFMOIYDSSLCDL 92
    :|||

```

Db 61 ELKECFNLQDTDETLISNVEFMQLIYDSSLCDL 92

## RESULT 7

US-09-082-253-2  
Sequence 2, Application US/09082253  
Patent No. 6004756

## GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
NUMBER OF SEQUENCES: 13  
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN  
CORRESPONDENCE ADDRESS:  
ADDRESS: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/082,253

## FILING DATE:

## CLASSIFICATION:

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455,896  
FILING DATE: 05/31/1995

## ATTORNEY/AGENT INFORMATION:

NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 952726  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092

## INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:  
LENGTH: 93 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO

US-09-082-253-2  
Query Match 56.7%; Score 281; DB 3; Length 93;

Best Local Similarity 58.7%; Pred. No. 2.8e-27;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 M K L I M V I M L A A L L H C Y A D S G C K L E D M V E K T I N S D I S I P Y K E L L O E F I D S D A A A E M G 60

Db 1 M K L I M V I M L A A L S Q H C Y A G S G C P L E N V I S K T I N P Q V S K T E Y K E L L O E F I D N A T T N A I D 60

QY 61 K F K O C F L N O S H R T L K N F G L M H T V Y D S I W C M 92

Db 61 E L K E C F N L Q D T D E T L I S N V E F M Q L I Y D S S L C D L 92

## RESULT 8

US-09-215-818-5  
Sequence 5, Application US/09215818A  
Patent No. 6379671

## GENERAL INFORMATION:

APPLICANT: Colpitts, Tracey  
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR  
FILE REFERENCE: 5972.US.P2  
CURRENT APPLICATION NUMBER: US/09/215,818A  
CURRENT FILING DATE: 1998-12-18

EARLIER APPLICATION NUMBER: 08/912,276

EARLIER FILING DATE: 1997-08-17

EARLIER APPLICATION NUMBER: 08/697,105

EARLIER FILING DATE: 1996-08-19

EARLIER APPLICATION NUMBER: 08/912,149

EARLIER FILING DATE: 1997-08-15

EARLIER APPLICATION NUMBER: 08/697,106

EARLIER FILING DATE: 1996-08-19

NUMBER OF SEQ ID NOS: 6

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 5

LENGTH: 93

TYPE: PRT

ORGANISM: Homo Sapiens

US-09-215-818-5

Query Match 56.7%; Score 281; DB 4; Length 93;

Best Local Similarity 58.7%; Pred. No. 2.8e-27;

Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 M K L I M V I M L A A L L H C Y A D S G C K L E D M V E K T I N S D I S I P Y K E L L O E F I D S D A A A E M G 60

Db 1 M K L I M V I M L A A L S Q H C Y A G S G C P L E N V I S K T I N P Q V S K T E Y K E L L O E F I D N A T T N A I D 60

QY 61 K F K O C F L N O S H R T L K N F G L M H T V Y D S I W C M 92

Db 61 E L K E C F N L Q D T D E T L I S N V E F M Q L I Y D S S L C D L 92

US-09-467-602A-5

Sequence 5, Application US/09467602A

Patent No. 6552164

GENERAL INFORMATION:

APPLICANT: Abbott Laboratories

APPLICANT: Colpitts, Tracey L.

TITLE OF INVENTION: REAGENTS AND METHODS USEFUL FOR

FILE REFERENCE: 5972.US.P5

CURRENT APPLICATION NUMBER: US/09/467,602A

CURRENT FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: US 08/215,818

PRIOR FILING DATE: 1998-12-18

PRIOR APPLICATION NUMBER: US 08/912,276

PRIOR FILING DATE: 1997-08-17

PRIOR APPLICATION NUMBER: US 08/697,105

PRIOR FILING DATE: 1996-08-19

PRIOR APPLICATION NUMBER: US 08/912,149

PRIOR FILING DATE: 1997-08-15

PRIOR APPLICATION NUMBER: US 08/697,106

PRIOR FILING DATE: 1996-08-19

NUMBER OF SEQ ID NOS: 6

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 5

LENGTH: 93

TYPE: PRT

ORGANISM: Homo sapiens

US-09-467-602A-5

Query Match 56.7%; Score 281; DB 4; Length 93;

Best Local Similarity 58.7%; Pred. No. 2.8e-27;

Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 M K L I M V I M L A A L L H C Y A D S G C K L E D M V E K T I N S D I S I P Y K E L L O E F I D S D A A A E M G 60

Db 1 M K L I M V I M L A A L S Q H C Y A G S G C P L E N V I S K T I N P Q V S K T E Y K E L L O E F I D N A T T N A I D 60

QY 61 K F K O C F L N O S H R T L K N F G L M H T V Y D S I W C M 92

Db 61 E L K E C F N L Q D T D E T L I S N V E F M Q L I Y D S S L C D L 92

RESULT 10  
US-09-162-622-2  
Sequence 2, Application US/09162622  
Patent No. 6566072  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A  
APPLICANT: FLEMING, TIMOTHY P  
TITLE OF INVENTION: Mammary-specific Breast Cancer  
FILE REFERENCE: 6029-5134  
CURRENT APPLICATION NUMBER: US/09/162,622  
CURRENT FILING DATE: 1998-09-29  
EARLIER APPLICATION NUMBER: 08/933,149  
EARLIER FILING DATE: 1997-09-18  
EARLIER APPLICATION NUMBER: PCT/US96/08235  
EARLIER FILING DATE: 1996-05-31  
EARLIER APPLICATION NUMBER: 08/455,896  
EARLIER FILING DATE: 1995-05-31  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO 2  
LENGTH: 93  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-162-622-2

Query Match  
Best Local Similarity 56.7%; Score 281; DB 4; Length 93;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
DB 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNM 92  
DB 61 ELKECFNLQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 11  
PCT-US96-08235-2  
Sequence 2, Application PCT/US9608235  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A.  
APPLICANT: FLEMING, TIMOTHY P.  
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP  
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400  
CITY: ST. LOUIS  
STATE: MISSOURI  
COUNTRY: USA  
ZIP: 63105-1817  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US96/08235  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: HOLLAND, DONALD R.  
REGISTRATION NUMBER: 35,197  
REFERENCE/DOCKET NUMBER: 964796  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (314) 727-5188  
TELEFAX: (314) 727-6092  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:

LENGTH: 93 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
HYPOTHETICAL: NO  
PCT-US96-08235-2

Query Match  
Best Local Similarity 56.7%; Score 281; DB 5; Length 93;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
DB 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNM 92  
DB 61 ELKECFNLQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 12  
US-09-620-405B-495  
Sequence 495, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620,405B  
CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: PatSeq for Windows Version 3.0  
SEQ ID NO 495  
LENGTH: 410  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-620-405B-495

Query Match  
Best Local Similarity 56.7%; Score 281; DB 4; Length 410;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
DB 1 MRLVLMALALHCHYADSGCKLEDMVEKTIINSIPYKELQEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNOSHRTLNKFGMLMHTVYDSIWCNM 92  
DB 61 ELKECFNLQTDETLSNVEVFMQLIYDSSLCDL 92

RESULT 13  
US-09-620-405B-494  
Sequence 494, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jiang, Yugu  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jiangchun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620,405B

CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 494  
LENGTH: 743  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: variant  
LOCATION: (1)...(743)  
OTHER INFORMATION: Xaa = Any amino acid  
US-09-620-405B-494

Query Match 56.7% Score 281; DB 4; Length 743;  
Best Local Similarity 58.7% Pred. No. 4.1e-26;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MRLMVLMLAALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
DB 1 MRLMVLMLAALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNQSHTLKNFGMLMHTVYDSICNM 92  
DB 61 ELKECFLNQTDETLSNVEFMQLIYDSSLCDL 92

RESULT 14  
US-09-620-405B-493  
Sequence 493, Application US/09620405B  
Patent No. 6528054  
GENERAL INFORMATION:  
APPLICANT: Jjiang, Yugui  
APPLICANT: Dillon, David C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Xu, Jianshun  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Hepler, William T.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
FILE REFERENCE: 210121.470C8  
CURRENT APPLICATION NUMBER: US/09/620.405B  
CURRENT FILING DATE: 2000-07-20  
NUMBER OF SEQ ID NOS: 495  
SOFTWARE: FASTSEQ for Windows Version 3.0  
SEQ ID NO 493  
LENGTH: 1095  
TYPE: PRT  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: variant  
LOCATION: (1)...(1095)  
OTHER INFORMATION: Xaa = Any amino acid  
US-09-620-405B-493

Query Match 56.7% Score 281; DB 4; Length 1095;  
Best Local Similarity 58.7% Pred. No. 6.8e-26;  
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MRLMVLMLAALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
DB 1 MRLMVLMLAALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
QY 61 KFKOCFLNQSHTLKNFGMLMHTVYDSICNM 92  
DB 61 ELKECFLNQTDETLSNVEFMQLIYDSSLCDL 92

RESULT 15  
US-09-162-622-17  
Sequence 17, Application US/09162622  
Patent No. 6566072  
GENERAL INFORMATION:  
APPLICANT: WATSON, MARK A

APPLICANT: FLEMING, TIMOTHY P  
TITLE OF INVENTION: Mammaglobin, A Secreted Mammary-Specific Breast Cancer  
TITLE OF INVENTION: Protein  
FILE REFERENCE: 6029-5134  
CURRENT APPLICATION NUMBER: US/09/162.622  
CURRENT FILING DATE: 1998-09-29  
EARLIER APPLICATION NUMBER: 08/933.149  
EARLIER FILING DATE: 1997-09-18  
EARLIER APPLICATION NUMBER: PCT/US96/08235  
EARLIER FILING DATE: 1996-05-31  
EARLIER APPLICATION NUMBER: 08/455.896  
EARLIER FILING DATE: 1995-05-31  
NUMBER OF SEQ ID NOS: 21  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 17  
LENGTH: 74  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-162-622-17

Query Match 41.5% Score 206; DB 4; Length 74;  
Best Local Similarity 52.1% Pred. No. 3.6e-18;  
Matches 38; Conservative 13; Mismatches 22; Indels 0; Gaps 0;

QY 20 SGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMGKFKOCFLNQSHTLKNFGL 79  
DB 1 SGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMGKFKOCFLNQSHTLKNFGL 79  
QY 80 MRLMHTVYDSICNM 92  
DB 61 FMQLIYDSSLCDL 73

Search completed: October 30, 2003, 14:03:04  
Job time : 22 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using SW model

Run on: October 30, 2003, 13:59:17 ; Search time 46 Seconds  
(without alignments)  
353.454 Million cell updates/sec

Title: US-09-806-302a-2  
Perfect score: 496  
Sequence: 1 MKLMLVLMIALHLHCYADS.....NFGIMHTVYDSIWCNKS 95

Scoring table:  
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Gapop 10.0 , Gapext 0.5

Searched: 642050 seqs, 171146064 residues  
Total number of hits satisfying chosen parameters: 642050

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications\_AA:\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep:\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep:\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep:\*
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- 7: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep:\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep:\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09A\_PUBCOMB.pep:\*
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- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep:\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep:\*
- 15: /cgn2\_6/ptodata/2/pubpaa/US10C\_PUBCOMB.pep:\*
- 16: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep:\*
- 17: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep:\*
- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	496	100.0	95	9	US-09-110-716-31
2	496	100.0	95	10	US-09-985-911-6
3	496	100.0	95	12	US-10-119-431-27
4	496	100.0	95	15	US-10-097-340-187
5	496	100.0	95	15	US-10-177-293-280
6	408	82.3	77	9	US-09-110-716-13
7	393.5	79.3	76	9	US-09-110-716-40
8	283	57.1	93	12	US-10-216-163-58
9	283	57.1	93	12	US-10-218-765-58
10	283	57.1	93	12	US-10-219-063-58
11	283	57.1	93	12	US-10-219-066-58
12	283	57.1	93	12	US-10-219-067-58
13	283	57.1	93	12	US-10-219-068-58
14	283	57.1	93	12	US-10-219-069-58
15	283	57.1	93	12	US-10-219-073-58

16	283	57.1	93	12	US-10-219-475-58	Sequence 58, Appl
17	283	57.1	93	12	US-10-219-480-58	Sequence 58, Appl
18	283	57.1	93	12	US-10-219-483-58	Sequence 58, Appl
19	283	57.1	93	12	US-10-219-525-58	Sequence 58, Appl
20	283	57.1	93	12	US-10-219-526-58	Sequence 58, Appl
21	283	57.1	93	12	US-10-219-530-58	Sequence 58, Appl
22	283	57.1	93	12	US-10-219-531-58	Sequence 58, Appl
23	283	57.1	93	12	US-10-219-532-58	Sequence 58, Appl
24	283	57.1	93	12	US-10-219-533-58	Sequence 58, Appl
25	283	57.1	93	12	US-10-230-437-58	Sequence 58, Appl
26	283	57.1	93	12	US-10-232-228-58	Sequence 58, Appl
27	283	57.1	93	15	US-10-227-884-58	Sequence 58, Appl
28	283	57.1	93	15	US-10-230-163-58	Sequence 58, Appl
29	283	57.1	93	15	US-10-230-338-58	Sequence 58, Appl
30	283	57.1	93	15	US-10-218-631-58	Sequence 58, Appl
31	283	57.1	93	15	US-10-230-414-58	Sequence 58, Appl
32	283	57.1	93	15	US-10-216-159A-58	Sequence 58, Appl
33	283	57.1	93	15	US-10-218-849-58	Sequence 58, Appl
34	283	57.1	93	15	US-10-227-873-58	Sequence 58, Appl
35	283	57.1	93	15	US-10-227-883-58	Sequence 58, Appl
36	283	57.1	93	15	US-10-219-076-58	Sequence 58, Appl
37	283	57.1	93	15	US-10-230-434-58	Sequence 58, Appl
38	283	57.1	93	15	US-10-219-075-58	Sequence 58, Appl
39	283	57.1	93	15	US-10-219-464-58	Sequence 58, Appl
40	283	57.1	93	15	US-10-219-465-58	Sequence 58, Appl
41	283	57.1	93	15	US-10-219-466-58	Sequence 58, Appl
42	283	57.1	93	15	US-10-219-479-58	Sequence 58, Appl
43	283	57.1	93	15	US-10-219-481-58	Sequence 58, Appl
44	283	57.1	93	15	US-10-230-260-58	Sequence 58, Appl
45	283	57.1	93	15	US-10-232-231-58	Sequence 58, Appl

## ALIGNMENTS

RESULT 1  
US-09-110-716-31  
Sequence 31, Application US/09110716A  
Patent No. US2002004739A1  
GENERAL INFORMATION:  
APPLICANT: Leher, Robert I.  
APPLICANT: Zhao, Chengquan  
TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS  
FILE REFERENCE: 22000-20586.00  
CURRENT FILING DATE: 1998-07-07  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: Patentin Ver. 2.0  
SEQ ID NO 31  
LENGTH: 95  
TYPE: PRT  
ORGANISM: 11pophillin C  
US-09-110-716-31

Query Match 100.0%; Score 496; DB 9; Length 95;  
Best Local Similarity 100.0%; Pred. No. 4.5e-50;  
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLMLVLMIALHLHCYADSGCKLLEDVETKINSIDISPEYKELLOFISDAAAEAMG 60  
DB 1 MKLMLVLMIALHLHCYADSGCKLLEDVETKINSIDISPEYKELLOFISDAAAEAMG 60  
QY 61 KFKCFLNQSHTLKNFGLMHTVYDSIWCNKS 95  
DB 61 KFKCFLNQSHTLKNFGLMHTVYDSIWCNKS 95

RESULT 2  
US-09-985-911-6  
Sequence 6, Application US/09985911  
Patent No. US20020151012A1  
GENERAL INFORMATION:

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; APPLICANT: NI ET AL.
; TITLE OF INVENTION: HUMAN ENDOMETRIAL SPECIFIC STEROID-BINDING FACTOR I, II AND III
; FILE REFERENCE: P25723
; CURRENT APPLICATION NUMBER: US/09/985,911
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 09/583,169
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/263,810
; PRIOR FILING DATE: 1999-03-08
; PRIOR APPLICATION NUMBER: 08/821,451
; PRIOR FILING DATE: 1997-03-21
; PRIOR APPLICATION NUMBER: 60/014,724
; PRIOR FILING DATE: 1996-03-21
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 95
; TYPE: PRT
; ORGANISM: human
US-09-985-911-6

Query Match      100.0%; Score 496; DB 10; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.5e-50;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60
Db      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60

Cy      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95
Db      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95

RESULT 3
US-10-119-431-27
; Sequence 27, Application US/10119431
; Publication No. US20030152939A1
; GENERAL INFORMATION:
; APPLICANT: Smithson, Glenda
; APPLICANT: Zernusen, Bryan
; APPLICANT: Zhong, Mei
; APPLICANT: Khramtsov, Nikolai
; APPLICANT: Li, Li
; APPLICANT: Gusev, Vladimir
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Anderson, David
; APPLICANT: Shinkels, Richard A.
; TITLE OF INVENTION: NOVEL SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING
; TITLE OF INVENTION: THEM
; FILE REFERENCE: Cura-29 CIP1
; CURRENT APPLICATION NUMBER: US/10/119,431
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: 60/103,195
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/282,548
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 09/412,231
; PRIOR FILING DATE: 1999-10-05
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 27
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-119-431-27

Query Match      100.0%; Score 496; DB 12; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.5e-50;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60
Db      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60
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Db      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60
Cy      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95
Db      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95

RESULT 4
US-10-097-340-187
; Sequence 187, Application US/10097340
; Publication No. US20030087250A1
; GENERAL INFORMATION:
; APPLICANT: John MONAHAN
; APPLICANT: Manjula GANNAVARAPU
; APPLICANT: Sebastian HOERSCH
; APPLICANT: Shubhangi KAMATKAR
; APPLICANT: Steve G. KOVATS
; APPLICANT: Rachel E. MEYERS
; APPLICANT: Michael MORRISEY
; APPLICANT: Peter OLANDT
; APPLICANT: Ami SEN
; APPLICANT: Peter VEIBY
; APPLICANT: Gordon B. MILLS
; APPLICANT: Robert C. BAST, JR.
; APPLICANT: Karen LU
; APPLICANT: Rosemarie SCHMANDT
; APPLICANT: Xumei ZHAO
; APPLICANT: Karen GLATT
; TITLE OF INVENTION: Nucleic Acid Molecules and Proteins For The Identification,
; FILE REFERENCE: MRI-030
; CURRENT APPLICATION NUMBER: US/10/097,340
; CURRENT FILING DATE: 2002-03-14
; PRIOR APPLICATION NUMBER: 60/276,025
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/325,149
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/276,026
; PRIOR FILING DATE: 2001-03-14
; PRIOR APPLICATION NUMBER: 60/324,967
; PRIOR FILING DATE: 2001/09/26
; PRIOR APPLICATION NUMBER: 60/311,732
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: 60/325,102
; PRIOR FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/323,580
; PRIOR FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 363
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 187
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-097-340-187

Query Match      100.0%; Score 496; DB 15; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.5e-50;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Cy      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60
Db      1 MKLMLVLMALALLHCVADSGCKLLEDMVEKTIINSISIPYKELLOEFIDSDAAEAMG 60

Cy      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95
Db      61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWCNMKSN 95

RESULT 5
US-10-177-293-280
; Sequence 280, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
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; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarpu Manjula
; APPLICANT: Kamackar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 280
; LENGTH: 95
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-177-293-280

Query Match          100.0%; Score 496; DB 15; Length 95;
Best Local Similarity 100.0%; Pred. No. 4.5e-50;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MLLWVLMALALLHCHYADSGCKLEDWVEKTIINSISIPYKELLOEFIDSDAAAEANG 60
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QY 61 KFKQCFLNOSHRITLKNFGIMMHTVYDSINCMKSN 95
    |||||||
DB 61 KFKQCFLNOSHRITLKNFGIMMHTVYDSINCMKSN 95
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RESULT 6
US-09-110-716-13
; Sequence 13, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 13
; LENGTH: 77
; TYPE: PRT
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; ORGANISM: lipophilin C
US-09-110-716-13

Query Match          82.3%; Score 408; DB 9; Length 77;
Best Local Similarity 100.0%; Pred. No. 5.8e-40;
Matches 77; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 DSGCKLEDWVEKTIINSISIPYKELLOEFIDSDAAAEANGKFKQCFLNOSHRITLKNFG 78
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DB 1 DSGCKLEDWVEKTIINSISIPYKELLOEFIDSDAAAEANGKFKQCFLNOSHRITLKNFG 60
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QY 79 LMMHTVYDSINCMKSN 95
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DB 61 LMMHTVYDSINCMKSN 77
    |||||||

RESULT 7
US-09-110-716-40
; Sequence 40, Application US/09110716A
; Patent No. US20020034739A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Zhao, Chengquan
; APPLICANT: Glasgow, Benjamin J.
; TITLE OF INVENTION: PEPTIDES CHARACTERISTIC OF CERTAIN TUMORS
; FILE REFERENCE: 22000-20596.00
; CURRENT APPLICATION NUMBER: US/09/110,716A
; CURRENT FILING DATE: 1998-07-07
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 40
; LENGTH: 76
; TYPE: PRT
; ORGANISM: lpnc
US-09-110-716-40

Query Match          79.3%; Score 393.5; DB 9; Length 76;
Best Local Similarity 98.7%; Pred. No. 2.7e-38;
Matches 76; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 19 DSGCKLEDWVEKTIINSISIPYKELLOEFIDSDAAAEANGKFKQCFLNOSHRITLKNFG 78
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DB 1 DSGCKLEDWVEKTIINSISIPYKELLOEFIDSDAAAEANGKFKQCFLNOSHRITLKNFG 60
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QY 79 LMMHTVYDSINCMKSN 95
    |||||||
DB 61 LMMHTVYDSINCMKSN 76
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RESULT 8
US-10-216-163-58
; Sequence 58, Application US/10216163
; Publication No. US20030149239A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P1530P1C3
; CURRENT APPLICATION NUMBER: US/10/216,163
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
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1	PRIOR APPLICATION NUMBER: 60/07919234
2	PRIOR FILING DATE: 1998-03-25
3	PRIOR APPLICATION NUMBER: 60/07965656
4	PRIOR FILING DATE: 1998-03-26
5	PRIOR APPLICATION NUMBER: 60/07972728
6	PRIOR FILING DATE: 1998-03-27
7	PRIOR APPLICATION NUMBER: 60/08181919
8	PRIOR FILING DATE: 1998-04-15
9	PRIOR APPLICATION NUMBER: 60/08195555
10	PRIOR FILING DATE: 1998-04-15
11	PRIOR APPLICATION NUMBER: 60/08280404
12	PRIOR FILING DATE: 1998-04-22
13	PRIOR APPLICATION NUMBER: 60/08444411
14	PRIOR FILING DATE: 1998-05-06
15	PRIOR APPLICATION NUMBER: 60/08532223
16	PRIOR FILING DATE: 1998-05-13
17	PRIOR APPLICATION NUMBER: 60/08557979
18	PRIOR FILING DATE: 1998-05-15
19	PRIOR APPLICATION NUMBER: 60/08633939
20	PRIOR FILING DATE: 1998-05-22
21	PRIOR APPLICATION NUMBER: 60/08935323
22	PRIOR FILING DATE: 1998-06-17
23	PRIOR APPLICATION NUMBER: 60/08953838
24	PRIOR FILING DATE: 1998-06-18
25	PRIOR APPLICATION NUMBER: 60/09047272
26	PRIOR FILING DATE: 1998-06-24
27	PRIOR APPLICATION NUMBER: 60/09055555
28	PRIOR FILING DATE: 1998-06-24
29	PRIOR APPLICATION NUMBER: 60/09069691
30	PRIOR FILING DATE: 1998-06-25
31	PRIOR APPLICATION NUMBER: 60/09069695
32	PRIOR FILING DATE: 1998-06-25
33	PRIOR APPLICATION NUMBER: 60/09198282
34	PRIOR FILING DATE: 1998-07-07
35	PRIOR APPLICATION NUMBER: 60/09530202
36	PRIOR FILING DATE: 1998-08-04
37	PRIOR APPLICATION NUMBER: 60/09531818
38	PRIOR FILING DATE: 1998-08-04
39	PRIOR APPLICATION NUMBER: 60/09591616
40	PRIOR FILING DATE: 1998-08-10
41	PRIOR APPLICATION NUMBER: 60/09614848
42	PRIOR FILING DATE: 1998-08-11
43	PRIOR APPLICATION NUMBER: 60/09679791
44	PRIOR FILING DATE: 1998-08-17
45	PRIOR APPLICATION NUMBER: 60/09798686
46	PRIOR FILING DATE: 1998-08-26
47	PRIOR APPLICATION NUMBER: 60/09854444
48	PRIOR FILING DATE: 1998-08-31
49	PRIOR APPLICATION NUMBER: 60/09959696
50	PRIOR FILING DATE: 1998-09-09
51	PRIOR APPLICATION NUMBER: 60/09959699
52	PRIOR FILING DATE: 1998-09-09
53	PRIOR APPLICATION NUMBER: 60/09980303
54	PRIOR FILING DATE: 1998-09-10
55	PRIOR APPLICATION NUMBER: 60/09981111
56	PRIOR FILING DATE: 1998-09-10
57	PRIOR APPLICATION NUMBER: 60/09981212
58	PRIOR FILING DATE: 1998-09-10
59	PRIOR APPLICATION NUMBER: 60/10038383
60	PRIOR FILING DATE: 1998-09-11
61	PRIOR APPLICATION NUMBER: 60/10038585
62	PRIOR FILING DATE: 1998-09-15
63	PRIOR APPLICATION NUMBER: 60/10039696
64	PRIOR FILING DATE: 1998-09-15
65	PRIOR APPLICATION NUMBER: 60/10062222
66	PRIOR FILING DATE: 1998-09-16
67	PRIOR APPLICATION NUMBER: 60/10084848
68	PRIOR FILING DATE: 1998-09-16
69	PRIOR APPLICATION NUMBER: 60/10091515
70	PRIOR FILING DATE: 1998-09-18



; PRIOR FILING DATE: 1998-09-17  
 ; PRIOR APPLICATION NUMBER: 60/101477  
 ; PRIOR FILING DATE: 1998-09-23  
 ; PRIOR APPLICATION NUMBER: 60/101738  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/101741  
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 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/101922  
 ; PRIOR FILING DATE: 1998-09-24  
 ; PRIOR APPLICATION NUMBER: 60/106178  
 ; PRIOR FILING DATE: 1998-10-28  
 ; PRIOR APPLICATION NUMBER: 60/106248  
 ; PRIOR FILING DATE: 1998-10-29  
 ; PRIOR APPLICATION NUMBER: 60/106464  
 ; PRIOR FILING DATE: 1998-10-30  
 ; PRIOR APPLICATION NUMBER: 60/106905  
 ; PRIOR FILING DATE: 1998-11-03  
 ; PRIOR APPLICATION NUMBER: 60/108787  
 ; PRIOR FILING DATE: 1998-11-17  
 ; PRIOR APPLICATION NUMBER: 60/108801  
 ; PRIOR FILING DATE: 1998-11-17  
 ; PRIOR APPLICATION NUMBER: 60/108849  
 ; PRIOR FILING DATE: 1998-11-18  
 ; PRIOR APPLICATION NUMBER: 60/112422  
 ; PRIOR FILING DATE: 1998-12-15  
 ; PRIOR APPLICATION NUMBER: 60/113296  
 ; PRIOR FILING DATE: 1998-12-22  
 ; PRIOR APPLICATION NUMBER: 60/113605  
 ; PRIOR FILING DATE: 1998-12-23  
 ; PRIOR APPLICATION NUMBER: 60/113621  
 ; PRIOR FILING DATE: 1998-12-23  
 ; PRIOR APPLICATION NUMBER: 60/115558  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/115565  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/115733  
 ; PRIOR FILING DATE: 1999-01-12  
 ; PRIOR APPLICATION NUMBER: 60/119549  
 ; PRIOR FILING DATE: 1999-02-10  
 ; PRIOR APPLICATION NUMBER: 60/123618  
 ; PRIOR FILING DATE: 1999-03-10  
 ; PRIOR APPLICATION NUMBER: 60/125259  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 60/125775  
 ; PRIOR FILING DATE: 1999-03-23  
 ; PRIOR APPLICATION NUMBER: 60/126773  
 ; PRIOR FILING DATE: 1999-03-29  
 ; PRIOR APPLICATION NUMBER: 60/127887  
 ; PRIOR FILING DATE: 1999-04-05  
 ; PRIOR APPLICATION NUMBER: 60/130232  
 ; PRIOR FILING DATE: 1999-04-21  
 ; PRIOR APPLICATION NUMBER: 60/131022  
 ; PRIOR FILING DATE: 1999-04-26  
 ; PRIOR APPLICATION NUMBER: 60/131270  
 ; PRIOR FILING DATE: 1999-04-27  
 ; PRIOR APPLICATION NUMBER: 60/131291  
 ; PRIOR FILING DATE: 1999-04-27  
 ; PRIOR APPLICATION NUMBER: 60/131445  
 ; PRIOR FILING DATE: 1999-04-28  
 ; PRIOR APPLICATION NUMBER: 60/134287  
 ; PRIOR FILING DATE: 1999-05-14  
 ; PRIOR APPLICATION NUMBER: 60/140650  
 ; PRIOR FILING DATE: 1999-06-22  
 ; PRIOR APPLICATION NUMBER: 60/140723  
 ; PRIOR FILING DATE: 1999-06-22  
 ; PRIOR APPLICATION NUMBER: 60/141037  
 ; PRIOR FILING DATE: 1999-06-23  
 ; PRIOR APPLICATION NUMBER: 60/144758  
 ; PRIOR FILING DATE: 1999-07-20

; PRIOR APPLICATION NUMBER: 60/145698  
 ; PRIOR FILING DATE: 1999-07-26  
 ; PRIOR APPLICATION NUMBER: 60/146222  
 ; PRIOR FILING DATE: 1999-07-28  
 ; PRIOR APPLICATION NUMBER: 60/146963  
 ; PRIOR FILING DATE: 1999-08-03  
 ; PRIOR APPLICATION NUMBER: 60/149320  
 ; PRIOR FILING DATE: 1999-08-17  
 ; PRIOR APPLICATION NUMBER: 60/149638  
 ; PRIOR FILING DATE: 1999-08-17  
 ; PRIOR APPLICATION NUMBER: 60/151733  
 ; PRIOR FILING DATE: 1999-08-31  
 ; PRIOR APPLICATION NUMBER: 60/164418  
 ; PRIOR FILING DATE: 1999-11-09  
 ; PRIOR APPLICATION NUMBER: 60/166361  
 ; PRIOR FILING DATE: 1999-11-16  
 ; PRIOR APPLICATION NUMBER: 60/169445  
 ; PRIOR FILING DATE: 1999-12-07  
 ; PRIOR APPLICATION NUMBER: 60/169495  
 ; PRIOR FILING DATE: 1999-12-07  
 ; PRIOR APPLICATION NUMBER: 60/169835

Query Match 57.1%; Score 283; DB 12; Length 93;  
 Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
 Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Qy 1 MKLMLVLMALLLHCHVADSGCKLLEDMVETINSIDIPRYKELQFFISDAAMG 60  
 Db 1 MKVWVLLALPLVCYVSGCVLLSEVETIDPSVSEBKADLQRFIDTEQTEAVE 60

Qy 61 KFKCFLNQSHTLKNFGLMHTVYDSIWC 90  
 Db 61 EFKECFLSQSNBTLANFRVWHTYDSLXC 90

RESULT 10  
 US-10-219-063-58  
 ; Sequence 58, Application US/10219063  
 ; Publication No. US20030187202A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Desnoyers, Luc  
 ; APPLICANT: Gerritsen, Mary  
 ; APPLICANT: Goddard, Audrey  
 ; APPLICANT: Godowski, Paul J.  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Gurney, Austin L.  
 ; APPLICANT: Smith, Victoria  
 ; APPLICANT: Stephan, Jean-Philippe F.  
 ; APPLICANT: Watanabe, Colin L.  
 ; APPLICANT: Wood, William I.  
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 ; FILE REFERENCE: P3530PIC24  
 ; CURRENT APPLICATION NUMBER: US/10/219,063  
 ; CURRENT FILING DATE: 2002-08-13  
 ; PRIOR APPLICATION NUMBER: 10/119,480  
 ; PRIOR FILING DATE: 2002-04-09  
 ; PRIOR APPLICATION NUMBER: 60/059113  
 ; PRIOR FILING DATE: 1997-09-17  
 ; PRIOR APPLICATION NUMBER: 60/062287  
 ; PRIOR FILING DATE: 1997-10-17  
 ; PRIOR APPLICATION NUMBER: 60/063549  
 ; PRIOR FILING DATE: 1997-10-28  
 ; PRIOR APPLICATION NUMBER: 60/064103  
 ; PRIOR FILING DATE: 1997-10-31  
 ; PRIOR APPLICATION NUMBER: 60/069873  
 ; PRIOR FILING DATE: 1997-12-17  
 ; PRIOR APPLICATION NUMBER: 60/078910  
 ; PRIOR FILING DATE: 1998-03-20  
 ; PRIOR APPLICATION NUMBER: 60/079294  
 ; PRIOR FILING DATE: 1998-03-25  
 ; PRIOR APPLICATION NUMBER: 60/079656

;; PRIOR FILING DATE: 1998-03-26  
;; PRIOR APPLICATION NUMBER: 60/079728  
;; PRIOR FILING DATE: 1998-03-27  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 246  
;; SEQ ID NO 58  
;; LENGTH: 93  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-219-063-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Oy 1 MKLIVMLAALHCHYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
Db 1 MKVVMVLLAALPLCYAGSGCVLLESVEKTIIDPSVSEYKADLORFIDTEQEAAYE 60

Oy 61 KFKOCFLNQSHTLKNFGLMHTVYDSIMC 90  
Db 61 EFKECFLSQSNETLANFRVWHTIYDSLVC 90

## RESULT 11

US-10-219-066-58  
;; Sequence 58, Application US/10219066  
;; Publication No. US20030187203A1

## GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Gerritsen, Mary  
;; APPLICANT: Godowski, Audrey  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stephan, Jean-Philippe F.  
;; APPLICANT: Watanabe, Colin L.

;; APPLICANT: Wood, William I.  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3530P1C27

;; CURRENT APPLICATION NUMBER: US/10/219,066

;; PRIOR FILING DATE: 2002-08-13

;; PRIOR APPLICATION NUMBER: 10/119,480

;; PRIOR FILING DATE: 2002-04-09

;; PRIOR APPLICATION NUMBER: 60/059113

;; PRIOR FILING DATE: 1997-09-17

;; PRIOR APPLICATION NUMBER: 60/062287

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/063549

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/064103

;; PRIOR FILING DATE: 1997-10-31

;; PRIOR APPLICATION NUMBER: 60/069873

;; PRIOR FILING DATE: 1997-12-17

;; PRIOR APPLICATION NUMBER: 60/078910

;; PRIOR FILING DATE: 1998-03-20

;; PRIOR APPLICATION NUMBER: 60/079294

;; PRIOR FILING DATE: 1998-03-25

;; PRIOR APPLICATION NUMBER: 60/079656

;; PRIOR FILING DATE: 1998-03-26

;; PRIOR APPLICATION NUMBER: 60/079728

;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 246  
;; SEQ ID NO 58  
;; LENGTH: 93  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-219-066-58

Query Match 57.1%; Score 283; DB 12; Length 93;  
Best Local Similarity 57.8%; Pred. No. 2.4e-25;  
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Oy 1 MKLIVMLAALHCHYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60  
Db 1 MKVVMVLLAALPLCYAGSGCVLLESVEKTIIDPSVSEYKADLORFIDTEQEAAYE 60

Oy 61 KFKOCFLNQSHTLKNFGLMHTVYDSIMC 90  
Db 61 EFKECFLSQSNETLANFRVWHTIYDSLVC 90

## RESULT 12

US-10-219-067-58  
;; Sequence 58, Application US/10219067  
;; Publication No. US20030187204A1

## GENERAL INFORMATION:

;; APPLICANT: Baker, Kevin P.  
;; APPLICANT: Desnoyers, Luc  
;; APPLICANT: Gerritsen, Mary  
;; APPLICANT: Godowski, Audrey  
;; APPLICANT: Grimaldi, J. Christopher  
;; APPLICANT: Gurney, Austin L.  
;; APPLICANT: Smith, Victoria  
;; APPLICANT: Stephan, Jean-Philippe F.  
;; APPLICANT: Watanabe, Colin L.

;; APPLICANT: Wood, William I.  
;; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
;; FILE REFERENCE: P3530P1C51

;; CURRENT APPLICATION NUMBER: US/10/219,067

;; PRIOR FILING DATE: 2002-08-14

;; PRIOR APPLICATION NUMBER: 10/119,480

;; PRIOR FILING DATE: 2002-04-09

;; PRIOR APPLICATION NUMBER: 60/059113

;; PRIOR FILING DATE: 1997-09-17

;; PRIOR APPLICATION NUMBER: 60/062287

;; PRIOR FILING DATE: 1997-10-17

;; PRIOR APPLICATION NUMBER: 60/063549

;; PRIOR FILING DATE: 1997-10-28

;; PRIOR APPLICATION NUMBER: 60/064103

;; PRIOR FILING DATE: 1997-10-31

;; PRIOR APPLICATION NUMBER: 60/069873

;; PRIOR FILING DATE: 1997-12-17

;; PRIOR APPLICATION NUMBER: 60/078910

;; PRIOR FILING DATE: 1998-03-20

;; PRIOR APPLICATION NUMBER: 60/079294

;; PRIOR FILING DATE: 1998-03-25

;; PRIOR APPLICATION NUMBER: 60/079656

;; PRIOR FILING DATE: 1998-03-26

;; PRIOR APPLICATION NUMBER: 60/079728

;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 246  
;; SEQ ID NO 58  
;; LENGTH: 93  
;; TYPE: PRT  
;; ORGANISM: Homo Sapien  
US-10-219-067-58

Query Match 57.1%; Score 283; DB 12; Length 93;

Best Local Similarity 57.8%; Pred. No. 2.4e-25;

Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Oy 1 MKLIVMLAALHCHYADSGCKLEDMVEKTIINSISIPYKELLOEFIDSDAAAEAMG 60

Db 1 MKVVMVLLAALPLCYAGSGCVLLESVEKTIIDPSVSEYKADLORFIDTEQEAAYE 60

Oy 61 KFKOCFLNQSHTLKNFGLMHTVYDSIMC 90

Db 61 EFKECFLSQSNETLANFRVWHTIYDSLVC 90

```
RESULT 13
US-10-219-068-58
; Sequence 58, Application US/10219068
; Publication No. US20030187205A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C31
; CURRENT APPLICATION NUMBER: US/10/219,068
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 58
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-068-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLMTVLLALALHCHYADSCGCKLEDMVEKTIINSDISIPYKELLOFIDSAAAEAMG 60
DB 1 MKVWVLLALPLCYAGSGCVLESVEKTIIDPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVWHTIYDSLVC 90

RESULT 14
US-10-219-069-58
; Sequence 58, Application US/10219069
; Publication No. US20030187206A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
```

```
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C40
; CURRENT APPLICATION NUMBER: US/10/219,069
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: 10/119,480
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 60/059113
; PRIOR FILING DATE: 1997-09-17
; PRIOR APPLICATION NUMBER: 60/062287
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063549
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/069873
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079294
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: 60/079656
; PRIOR FILING DATE: 1998-03-26
; PRIOR APPLICATION NUMBER: 60/079728
; PRIOR FILING DATE: 1998-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 246
; SEQ ID NO 58
; LENGTH: 93
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-219-069-58

Query Match      57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

OY 1 MKLMTVLLALALHCHYADSCGCKLEDMVEKTIINSDISIPYKELLOFIDSAAAEAMG 60
DB 1 MKVWVLLALPLCYAGSGCVLESVEKTIIDPSVSEYKADLQRFIDTEQTEAAVE 60

OY 61 KFKOCFLNOSHRTLKNFGMLMHTVYDSIWC 90
DB 61 EFKECFLSQSNETLANFRVWHTIYDSLVC 90

RESULT 15
US-10-219-073-58
; Sequence 58, Application US/10219073
; Publication No. US20030187207A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Desnoyers, Luc
; APPLICANT: Gerritsen, Mary
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Smith, Victoria
; APPLICANT: Stephan, Jean-Philippe F.
; APPLICANT: Watanabe, Colin L.
; APPLICANT: Wood, William I.
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3530P1C52
; CURRENT APPLICATION NUMBER: US/10/219,073
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/ CURRENT FILING DATE: 2002-08-14
/ PRIOR APPLICATION NUMBER: 10/119,480
/ PRIOR FILING DATE: 2002-04-09
/ PRIOR APPLICATION NUMBER: 60/059113
/ PRIOR FILING DATE: 1997-09-17
/ PRIOR APPLICATION NUMBER: 60/062287
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/063549
/ PRIOR FILING DATE: 1997-10-28
/ PRIOR APPLICATION NUMBER: 60/064103
/ PRIOR FILING DATE: 1997-10-31
/ PRIOR APPLICATION NUMBER: 60/069873
/ PRIOR FILING DATE: 1997-12-17
/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
/ PRIOR APPLICATION NUMBER: 60/079294
/ PRIOR FILING DATE: 1998-03-25
/ PRIOR APPLICATION NUMBER: 60/079656
/ PRIOR FILING DATE: 1998-03-26
/ PRIOR APPLICATION NUMBER: 60/079728
/ PRIOR FILING DATE: 1998-03-27
/ Remaining Prior Application data removed - See file wrapper or PALM.
/ NUMBER OF SEQ ID NOS: 246
/ SEQ ID NO 58
/ LENGTH: 93
/ TYPE: PRT
/ ORGANISM: Homo Sapien
US-10-219-073-58

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Query Match 57.1%; Score 283; DB 12; Length 93;
Best Local Similarity 57.8%; Pred. No. 2.4e-25;
Matches 52; Conservative 20; Mismatches 18; Indels 0; Gaps 0;

Oy 1 MKLMTVLLALHCHYDSCGKLEDMVEKTI NSDISIPYKELLOEFIDSDAAAEAMG 60
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 1 MKVWVLLLLALPLCYAGSGCVLLESVEKTI DPSVSEYKADLORFIDTEQEAAYE 60
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

Oy 61 KFKOCFLNOSHRTLKNFGILMHHTVYDSIWC 90
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 61 EFKECFLSQSNETLANFRWVHTIYDSLXC 90
   |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:

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Search completed: October 30, 2003, 14:07:23  
 Job time : 48 secs